

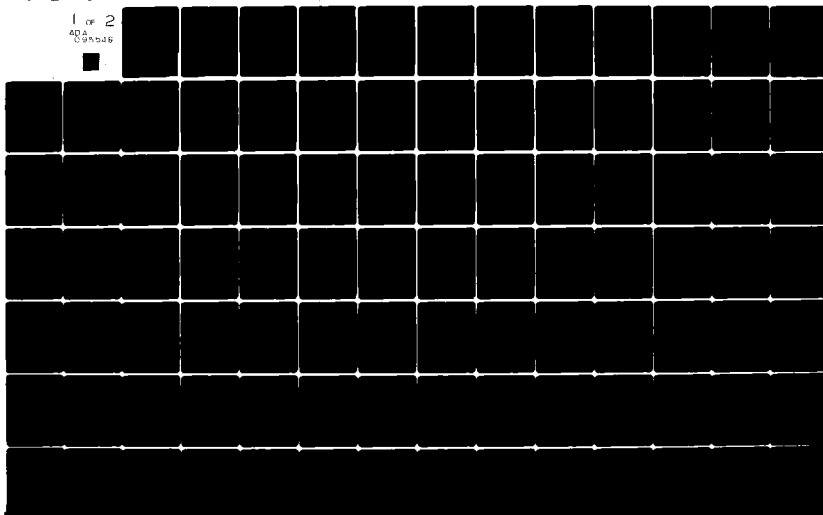
AD-A095 548

CONSTRUCTION ENGINEERING RESEARCH LAB (ARMY) CHAMPAIGN IL F/G 5/2
1980 DIRECTORY OF EXPERTS ON ORGANIZATION AND MANAGEMENT OF CON-ETC(U)
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1980 DIRECTORY OF EXPERTS
ON
ORGANIZATION AND MANAGEMENT OF CONSTRUCTION

LEVEL II

Prepared by
CIB W-65 COMMISSION

ON
ORGANIZATION AND MANAGEMENT OF CONSTRUCTION

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Department of the Army
Construction Engineering Research Laboratory
Champaign, Illinois USA

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| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) construction organization and management experts | | |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This directory identified 77 experts located in 24 countries. The bio- graphic information on each expert includes his major areas of research inter- ests in priority order, a description of his professional experience, his publications and honors. | | |

FOREWORD

The Working Commission, W-65, Organization and Management of Construction, of the International Council for Building Research Studies and Documentation (CIB), has completed the compilation of the second edition of a directory of experts throughout the world on the subject of the Commission. This directory identifies 77 experts located in 24 countries. The biographic information on each expert includes his major areas of research interests, a description of his professional experience, his publications and honors.

The intent of this directory is to identify these experts to the construction community at large in order to foster the interchange among experts by providing ready access to each other who have mutual research interests. The directory can also serve as listing of some of the most influential writings in the world on the subject.

W-65 intends to update the directory on a regular basis. Biographies of additional experts are welcomed; they should be forwarded to Dr. L. R. Shaffer, Coordinator, W-65, USACERL, P.O. Box 4005, Champaign, IL 61820, USA. Additional copies of the directory will be available at a modest charge from the National Technical Information Service (NTIS), Springfield, VA 22151, USA.

Suggestions for improving the utility of this directory are also welcomed; they should also be sent to the Coordinator, W-65.

Information on CIB can be obtained by contacting, Dr. Gy Sebestyen, Secretary General, CIB, Postbus 20704, Weena 704, Rotterdam, Holland.

L. R. SHAFFER
Coordinator, W-65

2 Feb 1981
Champaign, IL

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W-65
BIOGRAPHIC INFORMATION FORM

NAME Abrahamsson, Lars
ADDRESS National Board of Physical Planning
and Building
Fack
S-10492 Stockholm
SWEDEN

PROFESSIONAL EXPERIENCE (positions held/when)

PUBLICATIONS

The Use of Risk Analysis to Determine the Accuracy of a Cost Estimate,
Phd Thesis

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

| | |
|-------|---|
| _____ | Organizational Forms |
| _____ | Performance Criteria for Organizational Forms |
| _____ | Tools for Evaluating Organizational Forms |
| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Adrian, James J.

ADDRESS 5317 N. Woodview Avenue
Peoria, IL 61614

PROFESSIONAL EXPERIENCE (positions held/when)

Present Professor of Construction, Bradley University
President, Construction Systems Company
Director of Construction Services, Clifton Gunderson
& Co., CPAs

PUBLICATIONS

Numerous Articles

Adrian, J., Quantitative Methods in Construction Management, Elsevier, 1973

Adrian, J., Business Practices in Construction Management, Elsevier, 1976

Adrian, J., Construction Accounting, Prentice-Hall (Reston), 1978

Adrian, J., Construction Management: CM as a Process, 1980

Adrian, J., Construction Industry Accounting Services, AICPA, 1980

HONORS (including societies)

Professional Excellence Award, Bradley University 1979
Illinois Young Engineer of the Year, 1977
Peoria Young Engineer of the Year, 1977
Phi Kappa Phi
Edmund James Scholar Student

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Ahuja, G. S.
ADDRESS Housing & Urban Development Corp., Ltd.
12A Jamnagara House
New Delhi, 110011, INDIA

PROFESSIONAL EXPERIENCE (positions held/when)

Possesses extensive experience spread over 27 years, relating to organization: evaluation of project implementation agencies; project formulation; appraisal and monitoring; budgetary and accounting analysis; financial policy evaluation; management audit; organizational improvement programmes for finance; accounts and audit; corporate management; management information and control system; developing resource mobilization strategy and perspective planning.

HONORS (including societies)

Institute of Chartered Accountants of India
Member, Board of Directors of Delhi Cooperative
Housing Finance Society, Ltd.
BS in Arts with Honors in Economics

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

_____ Organizational Forms
_____ Criteria for Organizational Forms
_____ Tools for Evaluating Organizational Forms
_____ Tools for Management of Construction
_____ Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Arditi, David

ADDRESS Assistant Professor of Civil Engineering
Middle East Technical University
Department of Civil Engineering
Ankara
TURKEY

PROFESSIONAL EXPERIENCE (positions held/when)

1976-Present Director of the Division of Construction Engineering
and Strategy in the Department of Civil Engineering,
METU, Turkey

1975-Present Assistant Professor, Middle East Technical University,
Turkey

1974-1975 Instructor, Army School of Engineering, Turkey

1969-1973 Research Student, Loughborough University of Tech, England

1968-1969 Assistant, Middle East Technical University, Turkey

PUBLICATIONS

Arditi, D., Prefabrication of Dwellings, MS Thesis, Middle East Technical
University, Ankara, 1968

Sorguc, V. A., D. Arditi, T. Aksoy, Feasibility of Prefabrication in Building
Construction, Turkish Chamber of Civil Engineers, Technical Bulletin,
No. 2, Ankara, 1970 (Turkish)

Sorguc, V. A., D. Arditi, T. Aksoy, Feasibility of Prefabrication in Housing
Construction, International Symposium on Low Cost Housing, University of
Missouri-Rolla, 1970

Arditi, D., T. W. Harries, E. G. Trimble, Sociological Aspects of Network
Applications, Third INTERNET Congress, Stockholm, 1972

Arditi, D., An Investigation into the Behavioral and Technical Factors Affect-
ing Success in the Use of Network Analysis in the Construction Industry of
Great Britain, Ph.D. Thesis, University of Technology, Loughborough, 1973

Arditi, D., Implementation Problems in Network Applications in the Construc-
tion Industry, Planning Seminar, Turkish State Railways, Ankara, 1975
(Turkish)

David Arditi (cont)

Arditi, D., Cost Problems in Network Applications, Second National OR Congress, Ankara, 1976 (Turkish)

Arditi, D., An Investigation into the Relationship Between Construction Management and OR Techniques, Second National OR Congress, Ankara 1976 (Turkish)

Arditi, D., Problems in the Process of Introducing Network Analysis, Fifth INTERNET Congress, Birmingham, 1976

Arditi, D., V. D. Sorguc, Problems of Diffusion of Network Techniques, Third National OR Congress, Izmir, 1977

Arditi, D., Problems in Planning by Network Analysis in the Construction Industry, Symposium on Construction Production, Izmir, 1977 (Turkish)

Arditi, D., Rates of Diffusion of Network Applications among Construction Firms, IABSE Symposium on Problems Associated with Design and Construction in Developing Countries, Munich, 1977

Arditi, D., Implementation Problems in Planning by CPM, Tekyon Seminar, Istanbul, 1978 (Turkish)

Arditi, D., Organizational and Contextual Characteristics Affecting the Use of Network Analysis Techniques in the Construction Industry, Second CIB Symposium on Organization and Management of Construction, Haifa, 1978

Arditi, D., M. Z. Albulak, Comparison of Network Analysis with Line of Balance in a Linear Repetitive Construction Project, Sixth INTERNET Congress, Garmish-Parenkirshen, 1979

Arditi, D., A. Kocacimen, The Critical Path Method in Production Planning, TARKO Publications, Ankara, 1980 (Turkish)

Arditi, D., L. Tezduyar, A Comparison of Two Standard Network Analysis Computer Packages (PROJACS and BKN) from the Point of View of the Needs of the Construction Sector, Sixth National OR Congress, Ankara, 1980 (Turkish)

Arditi, D., R. Yuce, M. Ger, U. Sendil, A. Inal, METU'S Experiment in Civil Engineering Education, Symposium on Civil Engineering Education in Turkey Towards the 1990's, Black Sea Technical University, Trabzon, 1980 (Turkish)

Arditi, D., R. Yuce, M. Ger, U. Sendil, A. Inal, Proposal for a Model in Civil Engineering Education-METU'S View, Symposium on Civil Engineering in Turkey Towards the 1990's, Black Sea Technical University, Trabzon, 1980 (Turkish)

Arditi, D., Line of Balance Diagrams in the Construction Sector, Turkish Scientific and Technical Research Council, VII th Congress of Science, Kusadaasi, 1980 (Turkish)

David Arditi (cont)

HONORS (including societies)

Member of the Turkish Chamber of Civil Engineers
Associate Member of the American Society of Civil Engineers
Member of the Operational Research Society, UK
Member of the Institute of Management Sciences
Member of INTERNET (UK)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
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| <u>1</u> | Tools for Managment of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Armon, David

ADDRESS Technion- Israel Institute of Technology
Technion City
Haifa 32000
ISRAEL

PROFESIONAL EXPERIENCE (positions held/when)

| | |
|-----------|---|
| 1979-1980 | Visiting Professor, Faculty of Engineering, University of Waterloo, Ontario, Canada |
| 1978 | Member Development Committee, Faculty of Civil Engineering |
| 1978 | Member, Tuition Committee, Faculty of Civil Engineering |
| 1978 | Director, Computer Center, Technion |
| 1977-1978 | Chairman, Committee for Post Graduate |
| 1976 | Member Committee for Post-Graduate Studies, Option of Structural Design |
| 1976 | Director, Computer Center, Technion |
| 1975-1978 | Member Committee on Computer Development |
| 1975-1978 | Building-Science and Construction Management |
| 1972 | In charge of Computer Services, Faculty of Civil Engineering |
| 1972 | Member, Disciplinary Court of the Technion |
| 1972 | Member, Tuition Committee, Faculty of Civil Engineering |
| 1970 | Guest Lecturer, Technical University, Munich |
| 1969 | Member of the Curriculum Committee Faculty of Civil Engineering |
| 1968 | Consultant (Construction Management) to Israeli Government Offices and Construction Firms |
| 1966-1968 | Engineer (Project Scheduling) at the Institute of Construction Management, Technical University at Munich |
| 1965 | Acting Director Technion Research and Development Foundation |
| 1964 | Director-Technion Research and Development Foundation |

David Armon (cont)

| | |
|-----------|--|
| 1961-1970 | Part-Time Teacher at the National Senior Technicians School |
| 1959-1961 | Consulting Engineer (Design and Supervision) to Construction Firms in Liberia (i.e., The Liberia Construction Co., established by the Mayer Bros., Tel-Aviv) |
| 1959-1961 | Professor and Head of Engineering Department, University of Liberia |
| 1957-1959 | Engineer (Structural design) Office of Prof. J. Edleman, Haifa, ISRAEL |

PUBLICATIONS

Armon, D., Simplications of Network-Planning for the Construction Industry

Armon, D., Recent Developments in the B.K.N. Network Technique for Construction Scheduling

Armon, D., Consideration of "Blocked Periods" in Project-Scheduling

Armon, D., The B.K.N. Network Technique for Construction Scheduling

Armon, D., Cost-Functions to Serve the Client of a Construction Project

Armon, D., Types of Precedences in Project Networks and Their Treatment in The B.K.N. Algorithm

Armon, D., Project Networks Comprising Stochastic Time-Value to Serve the Scheduling Practice

Armon, D., Computerized Determination of Optimal in Communication

Armon, D., A Water-Conduit from the Mediterranean to the Dead Sea

Armon, D., "The Use of Network Techniques in Civil Engineering," Journal of the Association of Engineers and Architects in Israel, No. 3, Vol. XXVII, May-July 1969

Armon, D., Network Scheduling in Civil-Engineering, theoretical analysis in the field of Buildings, Bulletin No. 170, December 1969

Armon, D., Z. Herbsman, "The Use of a Digital Computer in the Preparation of Cost-Estimates of Construction Projects," in the Building Bulletin, No. 181, January 1971

David Armon (cont)

Armon, D., S. Selinger, "The Use of Mobile Concrete Pumps," Quarterly of the Building Centre of Israel, No. 1, October-December 1970, p 28-31

Armon, D., S. Selinger, "Recommendations on the Use of Tower-Cranes in Buildings," Quarterly of the Building Centre of Israel, No. 2, January-March 1972

Armon, D., "Operations Research in Construction Management," Quarterly of the Building Centre of Israel, No. 6, January-March 1972

Armon, D., "Optimum Sequencing of Construction Operations," Quarterly of the Building Centre of Israel, No. 8, July-September 1972

Armon, D., Scheduling Diagram: A technique for Scheduling Linear Projects in Civil Engineering. In the Field of Building Bulletin, No. 215, May 1974

Armon, D., "Practical Aspects of Stochastic Networks for the Scheduling of Engineering Projects," Journal of the Association of Engineers and Architects in Israel, Vol. XXXII, No. 5, October 1974

Armon, D., "A Data Bank for the Construction-Industry," Quarterly of the Building Centre of Israel, No. 25, 1977, p 8-11

Armon, D., S. Selinger, Mobile Concrete Pumps An Economical Feasibility Study, submitted to the Building Centre of Israel, March 1970

Armon, D., A Technical E.D.P. Information System. Submitted to the Department of Public Works, Government of Israel, August 1970

Armon, D., A. Warshawsky, A Forecast for the Requirement of Concrete in Haifa and Northern Israel, prepared by the Dept. of Construction Management and Economics Building Research Station, 1970

Armon, D., U. Shamir, Statistics for Civil Engineers (in Hebrew), Faculty of Civil Engineering, Technion, 1977

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Performance Criteria for Organizational Forms |
| _____ | Tools for Evaluating Organizational Forms |
| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Azevedo, Isaac Lima

ADDRESS Avenida Chile, 230 - 240 andar
20031 - Rio de Janeiro, RJ
BRAZIL

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|---------------------------|---|
| Present | Director of the National Bank of Brazil, in Charge of Planning Coordination, Research and Data Processing |
| February 1978 - Present | Member of the Administration Council of the Bahiana Company for Rural Electrification |
| January 1967 - March 1979 | Advisor for the Presidency of ELECTROBAS - Brazilian Electric Centrals |
| 1967 - 1971 | Secretary of Transportation and Communications of the State of Bahia |
| 1967 - 1971 | General Director of the Highway Department of the Municipality of Salvador, Bahia |

PUBLICATIONS

HONORS (including societies)

Degree in Civil Engineering, Polytechnic School
of the Federal University of Bahia, 1953

Higher National Studies, War Higher School of
Brazil, 1975

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Beiu, Eugen
ADDRESS Piata Mihai Viteazul 35
Cluj-Napoca, ROMANIA

PROFESSIONAL EXPERIENCE (positions held/when)

1968-1980 A sustained teaching and educational activity as a professor at the Polytechnical Institute from Cluj-Napoca, research activity in the Central Institute for Research in Construction, as a head of staff

1963-1968 Activity carried on the higher education at the Polytechnical Institute of Cluj-Napoca - carried on a research activity being chief of a department in the Central Research Institute for Building

1945-1957 & 1960-1963 Activity carried on the field of completion within construction companies employed as a manager, a manager of a development group and chief engineer of a building company

1958-1960 Activity carried on the field of building design, employed as chief engineer at a design institute

1945 Graduated in the Faculty Civil Engineering from the Polytechnical Institute in Bucharest, Romania

PUBLICATIONS

Beiu, Eugen, Building Technology and Building Machinery: First Part, 1972.

A new up-to-date edition 1977 by Prof. Eugen Beiu and collaborators Building Technology and Building Machinery First Part

Beiu, Eugen, Manual for Organization, Economy and Management of Building Productivity EDP, Bucuresti 1979

Beiu, Eugen, Management of Building Companies and Management of Construction.

Beiu, Eugen, Management of Building Sites - New Site Procedures in Construction, TRC Symposium, Cluj, 1963

Beiu, Eugen, Coniderations on the Ways of Rising the Working Productivity and Shortening The Completion Time of Inner Finishing in House Building by Dry Process of Placement, Scientific Symposium of IP Cluj, 1964

Eugen Beiu (Cont'd)

Beiu, Eugen, Method of Applying the Graph Theory to the Planning of Construction Work Execution, Final report with conclusions, INCERC, 1965

Beiu, Eugen, "Method of Applying the Graph Theory (Operational Calculus) to the Planning in House Building Completion," IP Cluj Bulletin, 1967

Beiu, Eugen, "Building the Exposed Concrete with Coarse Facing Having Smooth Surfaces in Relief," Review of Construction and Construction Materials, Nr. 9, 1968

Beiu, Eugen, Aspects and Problems in Connection with the Use of the Critical Path Method in Construction, Proceedings of the Symposium held in Baia Mare, 1969

Beiu, Eugen, "Exposed Concrete with Coarse Facing Used in Our Country," from the research experiments and buildings that have been completed, collection Studies and Achievements

Beiu, Eugen, "Technical Instructions Regarding the Design and Building of Exposed Concrete with Coarse Facing," Ministry of Industrial Buildings Bulletin 12, 1970

Beiu, Eugen, Problems of Design and Management of Production Tools and Equipment, Scientific Symposium of IP Cluj, 1971

Beiu, Eugen, Prefabricated Facing Slabs Made of Exposed Concrete with a Natural Facing - Sculptural Tint - Complete for the Building of the Design Workshop of the Faculty of Civil Engineering in Cluj-Napoca, Ninth Concrete Conference, Cluj-Napoca, 1976

Beiu, Eugen, Industrial Completion of Prefabricated Elements by Precasting on the Site - Collective Design, Ninth Concrete Conference, Gh.Gh. Dej, 1978

Beiu, Eugen, Plant for Building the Lineal Prefabricated Elements CEL-3, Ninth Concrete Conference held in Gh.Hg. Dej, 1978

Beiu, Eugen, Studies on Casing Design, Ninth Concrete Conference held in Gh.Gh. Dej, 1978

Beiu, Eugen, Improvement of Central Storage Yard Activity by Building Companies, Second International Symposium on Management of Construction, Haifa, 1978

Beiu, Eugen, Contributions on the Improvement of Work Practice when Elaborating Construction Work Planning by the Critical Path Method, Second International Symposium on Organization and Management of Construction, Haifa, 1978

Eugen Beiu (Cont'd)

Beiu, Eugen, Modern Technologies Regarding Prefabricated Elements Finishing for Building Houses - Jubilee Symposium of Polytechnic Institute of Cluj-Napoca 1978

Beiu, Eugen, The Design of Workshops for Reinforcement Manufacturing in the Plants for Prefabricated Elements - Jubilee Symposium of Polytechnic Institute of Cluj-Napoca, 1978

Beiu, Eugen, Modern Solution for Concrete Transportation in the Prefabricated Workshops - Jubilee Symposium of the Polytechnic Institute of Cluj-Napoca, 1978

Beiu, Eugen, Method for Concrete Preheating in the Plants for Prefabricated Elements - Jubilee Symposium of the Polytechnic Institute of Cluj-Napoca

Beiu, Eugen, Modern Technologies for Building the Prefabricated Elements for Houses - Jubilee Symposium of the Polytechnic Institute of Cluj-Napoca, 1978

Beiu, Eugen, Studies on Organization and Planning of Execution by Precasting on the Site of the Lineal Prefabricated Elements for Industrials Halls - Jubilee Symposium of Polytechnic Institute of Cluj-Napoca, 1978

Beiu, Eugen, Organization and Planning for Building the Lineal and Plan Prefabricated Elements on the Site for Civil and Industrial Multi-Storied Building - Jubilee Symposium of Polytechnic Institute of Cluj-Napoca, 1978

Beiu, Eugen, Manufacture Technology of Pre-fabricated Elements (a report of synthesis) - Scientific Meeting of the Polytechnic Institute Cluj-Napoca 1978. The Increase in the Finishing Degree of the Prefabricated Elements Used in the Construction of Dwellings - CIB W.19 Vol. I, Building Academy from DDR 1979.

HONORS (including societies)

Member in the Senate of the Polytechnical Institute of Cluj-Napoca, Romania

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>3</u> | Organizational Forms |
| <u>1</u> | Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u>2</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME: Bijlani, H. U.
ADDRESS: Chairman and Managing Director,
Housing and Urban Development Corporation (Inda) Ltd.,
New Delhi, India

PROFESSIONAL EXPERIENCE (positions held/when)

1977 - Present Director, Hindustan Prefab Limited, New Delhi; Director,
Hindustan Steel Construction Corporation Ltd., Calcutta;
Member, Governing Body of Central Building Research
Institute, Roorkee; Governor, National Institute of
Urban Affairs, New Delhi; Expert on Committee of
Central Road Research Institute, New Delhi and
Department of Science and Technology; Chairman Work-
ing Group for Monitoring Systems for Housing & Urban
Development Schemes; Official Indian delegate to
HABITAT, Mexico City, 1980 and Member Delegate ESCAP,
Bangkok, Columbia, Russia, Indonesia, Philippines

October 1977 Professor Centre for Urban Studies, Institute of
Public Administration, New Delhi; Chairman and
Managing Director, HUDCO.

1966-1976 Chief Engineer and Head of the Department, Delhi
Municipal Corporation

HONORS (including societies)

EE Civil Engineering
Fellow of Institute of CE (India)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

_____ Organizational Forms
_____ Performance Criteria for Organizational Forms
_____ Tools for Evaluating Organizational Forms
_____ Tools for Management of Construction
_____ Thesaurus Compilation

W-65
BIOGRAPHICAL INFORMATION FORM

NAME Birchall, David W.
ADD ESS Administrative Staff College, Greenlands,
Henley-On-Thames, Oxon RG93AU
ENGLAND

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1974-Present | Senior Research Fellow and Member of Directing Staff at Henley |
| 1968-1971 | Lectures in Construction Management |
| 1966-1967 | Planning Engineers on Mine-City Redevelopment (Offices/Shops) |
| 1965-1966 | Engines on Mine-City Redevelopment (Housing) |

PUBLICATIONS

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>3</u> | Organizational Forms |
| <u>2</u> | Performance Criteria for Organizational Forms |
| <u>1</u> | Tools for Evaluating Organizational Forms |
| <u>4</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Bjornsson, Hans

ADDRESS Institute for Building Economics
Chalmers University of Technology
FACK
402 20 Goteborg
SWEDEN

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|---|
| 1979-1980 | Visiting Associate Professor in Construction Engineering and Project Management, Dept of Civil Engineering, M.I.T. Cambridge, MA |
| 1978-1979 | Visiting Faculty Members in the Area of Construction Management and Operations Research, Dept. of Civil Engineering, University of Illinois |
| 1976-Present | Associate Professor, Dept of Building Economics, Chalmers University of Technology (on leave-of-absence) |
| 1975-1976 | System Analysis/Construction Firm |
| 1973-1974 | Research Assistant - University of Illinois |
| 1968-1973 | Research Assistant - Goteborg, Chalmers University of Technology |

PUBLICATIONS

Several Research Reports on Construction Management Techniques

Interactive Simulation of Decision Making Processes in the Construction Industry

HONORS (including societies)

OR Society of Sweden
PMI
American Association of Cost Engineers (AACE)

Hans Bjornsson (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Organizational Forms |
| _____ | Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Blachere, Gerard
ADDRESS 39, avenue d'Iena
75116-Paris
FRANCE

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|---|
| 1974-Present | President of l'ISO/TC.59 "Building" |
| 1957-1974 | Director of Centre Scientifique et Technique du Batiment |
| 1955-1956 | Director of Construction of France |
| 1954-1955 | Commissioner for the Reconstruction of Cheliff (Orleansville earthquake) Algeria |
| 1949-1954 | Commissioner for the Reconstruction of Tunisia |
| 1947-1949 | Delegate to the Reconstruction of Haut-Rhin, France |

PUBLICATIONS

SVOIR BATIR (Editions Eyrolles - Paris) 1966
Technologies de la Construction Industrialise (Editions Eyrolles - Paris)

HONORS (including societies)

- Officer of the Legion of Honor
- Commander of the Order of Merit

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Performance Criteria for Organizational Forms |
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W-65
BIOGRAPHIC INFORMATION FORM

NAME Blechman, Isaac
ADDRESS Nissenbaum, Street
2/76 Haifa
ISRAEL

PROFESSIONAL EXPERIENCE (positions held/when)

1974 Senior Research Worker, Building Research Station, Technion, Israel
1971-1973 Senior Research Worker at the Institute of Transportation Engineering, Moscow
1958-1971 Chief Engineering and Senior Research Worker at the Central Research Institute of Organization, Mechanization, and Construction in Building in Industry, Moscow
1955-1958 Technologist, Factor for Prestressed Elements

PUBLICATIONS

Principles of Production-Process Modeling in Construction, Proceedings of Second International Symposium on Organization & Management of Construction, Haifa, 1978

Labor-Cost Formula in Construction-Item Processing, ibit Proceedings.

Guide to Analysis and Design of Steel Forms (Contribution), Moscow, 1971

Design and Evaluation of Modern Steel Forms, MDNTP, 1973

Production Models of Construction Works, Report, Building Research Station, Technion, Haifa, 1979

Description of Standard Labour Requirements by Functions, Reports:

Part I: Roofing, Masonry, 1978
Part II: Plastering, Casting, 1979

Self-Propelled Conveyor-Type Placers, Mosco, stroiizdat, 1973

Batch Production of Precast R.C. Columns, "Boston i Zhelezobeton," N6, 1969

Evaluation of Steel Forms Effectiveness, "Boston i Zhelezobeton," N6, 1969

Isaac Blechman (cont)

Choice of Loading Patterns and Strength of R.C. System in Industrial Quality Tests, "Boston i Zhelezobeton," No. 6, 1968, Moscow

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>5</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>1</u> | Tools for Evaluating Organizational Forms |
| <u>3</u> | Tools for Management of Construction |
| <u>2</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Blessis, George H.

ADDRESS Civil Engineering Dept
 North Carolina State University
 Raleigh, NC 27650

PROFESSIONAL EXPERIENCE (positions held/when)

1961 - Present Construction Engineering & Management
 Teaching - Cornell University
 Study - University of Illinois
 Teaching - NCSU-Associate Professor
 Research - Resource Selection Optimization in Heavy
 Construction Planning and Scheduling

PUBLICATIONS

HONORS (including societies)

ASCE
NSPE
ASEE
Tau Beta Pi
Chi Faculty
MCSU

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>3</u> | Organizational Forms |
| <u>5</u> | Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>4</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Boland, Thomas F.

ADDRESS St. Martins House
Waterloo Road
Dublin 4
IRELAND

PROFESSIONAL EXPERIENCE (positions held/when)

1977 - Present Specialist Lecturer in Surveying with the Construction Industry Federation, Ireland

1972 - Present Finance Lecturer (part-time) in College of Technology, Bolton Street, Dublin

1971 - Present Research Scientist with An Foras Forbartha

1967 - 1971 Constructed Facility Designer and Construction Organizer with Coras Iompair Eireann

PUBLICATIONS

A number of national reports

A number of international reports and papers including CIB W-65 report, "The Construction Industry - A Perspective"

A number of magazine articles

HONORS (including societies)

M.I.E. - Honors Masters Degree in Industrial Engineering
B.E. - Bachelors Degree in Civil Engineering
C.ENG. - Chartered Engineer
MIEI - Member of the Institute of Engineers of Ireland

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u>2</u> | Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>4</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME van den Born, H.
ADDRESS Bouwcentrum International Education
Weena 700
3014 DA Rotterdam
NETHERLANDS

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|------------------|--|
| 1978-Present | Coordinator Workshop Building Process and Resources Management, Bouwcentrum International Education |
| 1972-1978 | Coordinator Project Activities in Developing Countries, Bouwcentrum |
| 1969-1972 | Project Manager Heidemiji, Haarlem/Arnhem |
| 1966-1969 | Management Consultant Bouwcentrum, Rotterdam |
| 1962-1965 | Associate Expert, UN New York |
| 1974-1976 Africa | Several Missions to Various African Countries within the framework of a UN ECA project "Human Settlements in Africa" |
| 1972 Indonesia | Advisor on the Operations of a Building Information Centre in Jakarta |
| As from 1978 | Various Assignments to Training Programmes in Indonesia and Sri Lanka |

PUBLICATIONS

Contribution to Human Settlement in Africa
Principles of Planning and Control (syllabus for international training programmes in the field of low-cost housing construction)
Various consulting reports

HONORS (including societies)

Royal Institute of Engineering
Netherlands Institute of Physical Planning and Housing

H. van den Born (cont)

PRIORITY RANKING IN INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>4</u> | Organizational Forms |
| <u>2</u> | Performance Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

Name Boyer, L. T.
ADDRESS Dept. of Civil Engineering
Urbana, IL 61801

PROFESSIONAL EXPERIENCE (positions held/when)

1966-Present Assistant/Associate Professor of Civil Engineering
University of Illinois at Urbana-Champaign

PUBLICATIONS

- Bowers, C. E., F. Y. Tsai, R. M. Kuha, J. T. Hanley, and L. T. Boyer, Hydraulic Studies of the Spillway of the Karnafuli Hydroelectric Project East Pakistan, St. Anthony Falls Hydraulic Laboratory Project Report No. 73, Prepared for the Agency for International Development, Department of State, Washington, DC, September 1964
- Fant, J. E. and L. T. Boyer, Surveying Instrumentation, Brown Publishing Company, 1965
- Shaffer, L. R., A. P. Froeming, A. Brooks, L. T. Boyer, L. Pflederer and G. Sernel, User's Manual CESL/STSA Payroll Program, Civil Engineering Systems Laboratory, Department of Civil Engineering, University of Illinois, September 1968
- Boyer, L. T. and J. C. Casson, Experience with an Interactive Computing System, Journal, Structural Division, ASCE, January 1971
- Wright, R. N., L. T. Boyer and J. W. Melin, Constraint Processing in Design, Journal, Structural Division, ASCE, January 1971
- Boyer, L. T., Computer-Aided Construction Management Techniques, presented at the Building Construction Management Seminar, Pennsylvania State University in Conjunction with the Pennsylvania Building Construction Advisory Council, October 1971
- Boyer, L. T. and R. C. Volkman, Remote Terminal Cost Estimating, Journal, Construction Division, ASCE, March 1972
- Boyer, L. T. and S. J. Fenves, Environment and Characteristics of Civil Engineering Timeshared Application Programs, Proceedings, International Symposium of On-Life Interactive Computing, 1973

L. T. Boyer (cont)

Boyer, L. T., Cost Control in the Construction Industry, presented for Milwaukee Urban League and University of Wisconsin, Milwaukee, Wisconsin, June 1973

Vergara, A. J. and L. T. Boyer, Probabilistic Approach to Estimating and Cost Control, Journal, Construction Division, ASCE, December 1974

Adrian, J. J. and L. T. Boyer, Modeling Method Productivity, Journal, Construction Division, ASCE, March 1976

Erikson, C. A. and L. T. Boyer, Estimating -- State-of-the-Art, Journal, Construction Division, ASCE, September 1976

Boyer, L. T., The Resource Approach to Estimating, Proceedings, Conference on Advanced Construction Estimating and Cost Control Methods, Houston, TX, 1976

Boyer, L. T., Modern Concepts in Construction Cost Control, Proceedings Conference on Advanced Construction Estimating and Cost Control Methods, Houston, TX, 1976

Vergara, A. V. and L. T. Boyer, Portfolio Theory: Applications in Construction, Journal, Construction Division, ASCE, March 1977

Erikson, C. A., J. J. O'Conner and L. T. Boyer, Construction Process Risk Allocation, proceedings, American Association of Cost Engineers, 1978

Erikson, C. A., M. J. O'Conner and L. T. Boyer, Risk Assignment in Construction Contracts, Proceedings, Second International Symposium on Organizations and Management of Construction, 1978

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Organizational Forms |
| _____ | Performance Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Bromilow, Francis J.
ADDRESS C/-Division of Building Research, CSIRO
P.O. Box 56
Highett, Victoria, 3190
AUSTRALIA

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|-------------|--|
| Present | Senior Principal Research Scientist and Head, Building Operations and Economics Research Section |
| 1966 - 1973 | Principal Research Scientist, CSIRO |
| 1961 - 1966 | Assistant Planning Engineer, Gas & Fuel Corp of Victoria |
| 1958 - 1966 | Chemical Engineer (Planning) Gas & Fuel Corp of Victoria |
| 1956 - 1958 | Technical Assistant to Works Manager Gas & Fuel Corp of Victoria |
| 1953 - 1958 | Research Chemical Engineer Gas & Fuel Corp of Victoria |
| 1949 - 1953 | Research Assistant, University of Melbourne Gas & Fuel Corp of Victoria |

PUBLICATIONS

Bromilow, F. J., Lurgi Gasification Experimental Work, carried out at the University of Melbourne, South Australia Department of Mines Review No. 90, June 1949, 33-61

Bromilow, F. J., Steam-Oxygen Gasification under Pressure, South Australia Department of Mines Review No. 93, December 1950, 43-69

Bromilow, F. J., "Research at the University of Melbourne on Lurgi Gasification of Brown Coal," in Brown Coal, Its Mining and Utilization, Ed. Henderson, M.U.P., 1953

Bromilow, F. J., Some Aspect of Gas Interchangeability, Australian Gas Institute Trans, 1955, 33-61

Bromilow, F. J., Flame Shape Calculations in the Study of Gas Interchangeability Problems, Institute of Fuel Symposium Newcastle, 1959, preprint only

Bromilow, F. J., Some Trends in Operations Research, A.I.C.A. Bulletin Vol. 6, No. 1

Bromilow, F. J., Industrialized Building, 3rd Australian Research Congress, pp. 175-178, Melbourne, 1968

Francis J. Bromilow (cont)

Bromilow, F. J., Building Operations in Japan, Australia Civil Engineering Vol. 9, No. 4, pp. 43, 45, 47, 49, 1968

Bromilow, F. J., Research into Information Transfer in Building in Australia, Information Flow in the Building Process - Classification and Coding for Computer use, C.I.B. Report 13B, paper 1-20, Norwegian Building Research Institute, Oslo, Norway, 1968

Bromilow, F. J., "Contract Time Performance - Expectations and the Reality," Building Economics, Vol. 9, No. 3, pp. 70-80 (1970)

Bromilow, F. J., "The Nature and Extent of Variations to Building Contracts," Building Economics, Vol. 9, No. 3, pp. 93-104 (1970)

Bromilow, F. J., Procedures for Reckoning and Valuing the Performance of Building Contracts, With J. A. Henderson, Revised Ed., CSIRO Aust Div Bldg Res Rep B3.1-4, 1971, Special Report, 1974, 52pp

Bromilow, F. J., "Building Contract Cost Performance," Building Economist, Vol. 9, No. 4, pp 126-138, 1971

Bromilow, F. J., "Contracts as Waste Generator," Bldg. Forum, Vol, 3, No.. 1, pp 5-11, (1971)

Bromilow, F. J., "Is the Lowest Tender the Cheapest?," Chartered Builder, Vol. 1, No. 2, March 1972

Bromilow, F. J., "Performance of Building Contracts in Eastern Australia," Building, (Aust.) No. 750 pp 18-24, November 1971

Bromilow, F. J., Calendar of Working Days in the Building Industry, with J. A. Hope, CSIRO Aust Div Bldg Res Rep B3.1-6, CSIRO, Melbourne, 1971

Bromilow, F. J., "Adjustments of Building Contract Sums to Constant Prices for Labor and Materials," Building Economist, Vol. 11, No. 4, pp 156-165

Bromilow, F. J., Measurement and Scheduling of Construction Time and Cost Performance in the Building Industry, Nat. Oper. Res. Cong. Proc. A3.1-A3.11 Aust Soc Oper Res, Melbourne 1973, and Chartered Builder, Vol 10, pp 57-65, 1974

Bromilow, F. J., The Owner and the Building Team, CSIRO Aust Div Bldg Res Rep 8, CSIRO Melbourne, 1973

Bromilow, F. J., Measuring Efficiency or Productivity in Building, Proc. Efficiency in Building Symposium (New Zealand Inst. of Engrs., Wellington, 1974

Bromilow, F. J., Recommendation for Improving the Efficiency of Public Works in Fiji, A report prepared for the Government on Fiji in response to a request to the Australian Development Assistance Agency, 1974

Francis, J. Bromilow (cont)

Bromilow, F. J., Cost Escalation of Building Contracts, CSIRO Aust Div Bldg Res Special Reports, 1975, 30 pp and App

Bromilow, F. J., The Land Conversion Process - A Study, with M. L. Meaton Aust Inst of Urban Studies, Canberra A.C.T. 1975, 34 pp

Bromilow, F. J., The Supply of Land for Urban Purposes, Proc. 5th Australian Building Research Congress Melbourne, 1975

Bromilow, F. J., "Summary of Rise and Fall Seminar at Clunes Ross House," Chartered Builder, 16: 19-23

Bromilow, F. J., "Problems of Price Escalation in Supply Management," Building Economist, 16, No. 4, 1977, pp 207-213

Bromilow, F. J., Multi-Project Planning and Control, DBR Internal Report, unpublished, 1972, submitted to Building Science for publication, 1977

Bromilow, F. J., What is an Affordable House?, Paper No. 1 in a Transcript of Three Papers, 12th National Conv Housing Industry Association of Australia, Canberra, 1977

Bromilow, F. J., "Matching Standards to People," Chartered Builder, Vol. 28, pp 9-13, 1979

Bromilow, F. J., The Cost of Housing and Problems of Innovation, The basis of an address to the Australian Institute of Health Surveyors and The Institute of Building Surveyors of NSW, Sydney, 1978

Bromilow, F. J., "Accessibility of Housing," The Australian Builder, 31(3):26-33(933)

Bromilow, F. J., "More Choices at Less Cost for Australian Homebuyers," Summary of Address at RESI members, April 3, 1979, Real Estate and Stock Journal, May 1979, p. 6

Bromilow, F. J., Future Innovations in Housing, Text for an address to the Housing Industry Association of Australia, Convention, April 1979

Bromilow, F. J., "Matching Standards to People," Chartered Builder, 28:9-13

Bromilow, F. J., "Building and the Future - The Labour Force," Builder NSW, 28:9-13

Bromilow, F. J., "Problems of Price Escalation in Supply Management," Building Economist 16(4):207-213

Francis, J. Bromilow (cont)

HONORS (including societies)

Ph.D., M. Sc., A.R.A.C.I., M.Inst.E, F.A.I.B.,
Member O.R.S.A.
Member A.S.O.R.
Member O.R.Soc. (U.K.)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u>1</u> | Performance Criteria for Organizational Forms |
| <u>1</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>1</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Brown, Leslie J.
ADDRESS 235 Sherwood Drive
Ottawa, Ontario
CANADA, K1Y 3W1

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|-----------|--|
| 1979 | Retired from Full-time Employment |
| 1968-1979 | Director General Construction, Department of National Defence, Canada |
| 1967-1968 | Director of Installations - Canadian Corporation for the 1967 World Exhibition (EXPO 67 - Montreal) |
| 1965-1967 | Deputy Director of Installations - Canadian Corporation for the 1967 World World Exhibition (EXPO 67 - Montreal) |
| 1946-1965 | Various Appointments in Canadian Army in Army Works Services Responsible for Design Construction and Maintenance of Canadian Army Facilities |
| 1940-1945 | Various Appointments in Royal Canadian Engineers Canadian Army |

PUBLICATIONS

Brown, Leslie J., Application of Management Methods in Design, Proceedings of CIB W65 Symposium, Washington, USA, May 1976

Brown, Leslie J., Application of Management Methods in Design/Construction, Proceedings of CIB W65 Symposium, Washington, USA, May 1976

Brown, Leslie J., Assessment of Management Methods in Design and Construction, Proceedings of CIB W65 Symposium, HAIFA Israel, November 1978

Brown, Leslie J., Management of Design for Government Projects, Proceedings of CIB W65 Symposium, HAIFA Israel, November 1978

HONORS (including societies)

Canadian Centennial Medal (1967) - For Services at Expo 67

Member, Association of Professional Engineers of Province of Ontario (Civil Branch)

Leslie Brown (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>5</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>3</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Burger, Amadeus M.
ADDRESS 1900 Emery Street
Suite 322
Atlanta, Georgia 30318

PROFESSIONAL EXPERIENCE (positions held/when)

1978 - Present President
M-Systems Associates, Inc.
1976 - Present President
Construction Systems Associates, Inc.
1975 Georgia Institute of Technology
Instructor
1971 - 1975 Project Area Engineer
Head of Project Control System
Development
1969 - 1971 Research Assistant
University of Illinois
Champaign, Urbana, Illinois
1968 - 1969 Project Engineer
Halifax, N.S. Canada
1966 - 1968 Project Area Engineer
Hydrostav, Bratislava, Czechoslovakia

PUBLICATIONS

Burger, A., and D. Halpin, "Data Base Methods for Complex Project Control," Journal of the Construction Division, ASCE, Vol. 103, No. C03, Proc. Paper 13210, September 1977, pp. 453-463
Burger, A., and D. Halpin, Organizational Concepts for the Control of Large Construction Projects, Proceedings, International Council for Building Research, Studies and Documentation International Symposium, Washington, D.C., May 1976
Burger, A., Information Management for Nuclear Power Stations, Department of Energy, Contract No. E-(40-1)-5270, Draft Report, December 1977

Amadeus M. Burger (cont)

Burger, A., and W. Wolter, Project Configuration Model (PR.CM) -- A New Concept to Control and Manage Complex Projects, Proceedings of the W-65 Second Symposium on Organization and Management of Construction, Haifa, Israel, October 31 - November 2, 1978, V.I.

Burger, A., and W. Wolter, "Project Configuration Control System" (PR.CCS), Computing in Civil Engineering, ASCE TCCP, New York, 1978

HONORS (including societies)

American Society of Civil Engineers
American Management Association

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| — — | Criteria for Organizational Forms |
| — — | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>2</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Chakrabarty, Bibhuti Kumar

ADDRESS Manager (Project Appraisal)
Housing & Urban Development Corp, Ltd.
12A, Jamnagar House
New Delhi-110011, INDIA

PROFESSIONAL EXPERIENCE (positions held/when)

Obtained a Bachelor of Engineering Degree in Civil Engineering in 1960, Post Graduate Diploma in Town and Regional Planning, Post Graduate Degree in Structural Engineering and completed a certificate course on "Housing in Development Countries" in the Development Planning Unit, University College, London.

Extensive experience (over 20 years) in planning, design and construction covering almost all branches of civil engineering such as buildings (housing as well as industrial structures), roads, water supply, sanitary sewerage, storm drainage, etc., in large towns as well as in small townships.

Has handled such works as Assistant Engineer up to September 1966 and thereafter as Executive Engineer and as Chief Civil Engineer in large industrial and housing projects. In his present assignment, he is specially involved in appraisal, evaluation and implementation of housing and urban development projects with special emphasis on cost reduction in such projects of HUDCO using various new construction materials/design and construction techniques.

PUBLICATIONS

Paper on design of machine foundation (dynamic analysis) published in Indian Concrete Journal, August 1970 issue (this is the result of his in-depth study of the subject, developing practical method to ensure complimentary role of design and construction, i.e., research and practice).

Paper on design and construction of brickwork structure (related to building construction) published in January 1977 issue of the Journal of the Institution of Engineers (India).

Paper on ultimate strength design of reinforced concrete slab incorporating a simplified, economic and easily applicable design procedure for practicing engineers has been published in September 1978 issue of the Journal of the Institution of Engineers, India.

Bibouti Kumar Chakrabarty (cont'd)

Presented a paper on structural aspects of low cost housing design in the seminar on "Housing Environment" held at Calcutta in March 1977 sponsored by the Association of Engineers, India.

Presented a paper entitled "A Strategy for Housing and Urban Poor in India" incorporating planning, economic, architectural and engineering aspects of housing in India and a suggested strategy. The paper was presented in a seminar held at Development Planning Unit, University College, London.

Prepared evaluation report on "Low Cost Prefabricated House" developed by the Tamil Nadu Housing Board.

Prepared evaluation report on "Siporex" Technique identifying limitations and effectiveness and practicability of its use in low cost housing.

HONORS (including societies)

Member of the Expert Committee appointed by the Government of India on "Strength Mix Design of Concrete" and actively participated in formulation of the report submitted by the Expert Group to the Government of India.

Member of Prefabricated and Composite Construction Sectional Committee of the Indian Standards Institute and besides is a member of several other committees of the Indian Standard Institute concerning civil engineering standards/specifications.

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| ----- | Organizational Forms |
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| ----- | Tools for Management of Construction |
| ----- | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Cheesman, P.G.
ADDRESS Heriot-Watt University
Chambers Street
Edinburgh EH1 1HX, UNITED KINGDOM

PROFESSIONAL EXPERIENCE (positions held/when)

1971-Present Lecturer & Consultant in Construction Management
1970-1971 Research Fellow
1967-1969 Construction Manager
1963-1967 Cost Surveyor

PUBLICATIONS

- Cheesman, P., CLASP Maintenance Study, Hospital Maintenance Conference, Western General Hospital, Edinburgh, April 1973
- Cheesman, P., The Maintenance of CLASP Construction, Co-author, Professor N.J. Sidwell, H.M.S.O. & Scottish Development Department, October 1973
- Cheesman, P., The Maintenance Characteristics of CLASP Buildings, 6th Congress of International Council of Building Research Studies and Documentation (C.I.B.), Budapest, October 1974
- Cheesman, P., Communications to Site, The Institute of Civil Engineers, Edinburgh and East of Scotland Association, Edinburgh, February 1977
- Cheesman, P., Accuracy of Existing Buildings and the Integration of Dimensionally Co-ordinated Components, 7th C.I.B. International Congress, Edinburgh, September 1977, Co-author, W.D. Blair
- Cheesman, P., The Relationship Between Employment Variables and Site Productivity with Regard to Job Attitudes of Construction Workers, 7th C.I.B. International Congress, Edinburgh, September 1977
- Cheesman, P., Statistical Aids for Maintenance Management, Development in Maintenance, edited by D. Gibson, Applied Science Press, 1978
- Cheesman, P., "Factors Influencing Maintenance Characteristics of Building with Regard to System Building", Journal of Building Services Society, Singapore, 1978

P. Cheesman (cont)

Cheesman, P., "Accuracy of Existing Buildings and the Integration of Dimensionally Co-ordinated Components", Building Research & Practice Journal of C.I.B., July/August 1978, Co-author, W.D. Blair

HONORS (including societies)

MSc (Master of Science)

MIOB (Member of Institute of Building)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Organizational Forms |
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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME

Christian, John A.

ADDRESS

Faculty of Engineering and Applied Science
Memorial University of Newfoundland
St. John's, Newfoundland, Canada A1B 3X5

PROFESSIONAL EXPERIENCE (positions held/when)

- 1977 - Present Professor in Civil Engineering Construction, Memorial University, Canada
- 1967 - 1977 Initiated and Developed Construction Organization and Management Courses, University of Bradford
- 1964 - 1967 Management and Supervision of Highways, Bridges, Subways, Earthworks - Richard Costain Civil Engineering (CE Site Agent)
- 1962 - 1964 Design of RC and PC Structures, Ove Arup & Partners
- 1959 - 1962 Surveying, Setting Out, Construction Supervision, Steel and RC Design, London Transport Executive (Graduate Engineer, Engineer Assistant)

PUBLICATIONS

- Christian, J. A., The Stiffness of Sandwich Panels, Journal R.P.I., London, February 1976
- Christian, J. A., Engineering Design of Sandwich Panels, Conf. I, Mech Engrg., London, September 1977
- Christian, J. A., Engineering Design of Sandwich Panels Made With Fibre Reinforced Materials, pp. 37-40, Mech Eng Publishers, London and New York, 1977
- Christian, J. A., Modern Construction Management, 2nd International Conference on Organization and Management of Construction, Israel, November 1978
- Christian, J. A., The Assessment of Strength of Sandwich Panels used as Cladding in the Building Industry, CANCAM '79, Sherbrook, Quebec, May 1979
- Sharp, J. J., and J. A. Christian, Undergraduate Engineering Consultants, Engrg Education A.S.C.E., January 1980
- Christian, J. A., Industrial Liaison in Engineering, 2nd Can. Conf on Engrg Education, Toronto, May 1980

Christian (cont)

HONORS (including societies)

B. Eng.
Ph.D.
M.I.C.E.
C. Eng.
P. Eng.

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>1</u> | Performance Criteria for Organizational Forms |
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| <u> </u> | Tools for Management of Construction |
| <u> </u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Denes, Janos
ADDRESS Pf.46, Budapest
HUNGARY, 1251

PROFESSIONAL EXPERIENCE (positions held/when)

1963 - Present Institute for Building Economy and Organization, Budapest,
Division for Organization of Project, Department Head
of the Division
1952 - 1963 Ministry for Construction Affairs, Budapest

PUBLICATIONS

Numerous publications in the field of OMC, economic problems of construction,
construction management, computer science, etc.

HONORS (including societies)

Ph.D. at Marx University for Economics, Budapest
Hungarian Society for Organization and Management, President
of Committee in Organization of Projects
Order of Labor Third Class (donated by Hungary's Presidium)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Diepeveen, Willem J.

ADDRESS General Director Stichting Bouwresearch
Weena 740 Rotterdam - Holland

PROFESSIONAL EXPERIENCE (positions held/when)

1971-1975 Board Member Twynstra and Gudde Management Consultants
1965-1971 Board Member Berenschot Management Consultants

PUBLICATIONS

Several Dozens of articles

A book about 1) Planning and Policy in Building
Firms 2) Marketing in Building Firms 3) Management
Development in Building Firms

HONORS (including societies)

PHD in Economics
Member Royal Institution of Engineers (KIVI)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
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| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Fletcher, Leonard

ADDRESS Department of Construction Management
University of Reading
Whiteknights
Reading, RG6 2BY
UNITED KINGDOM

PROFESSIONAL EXPERIENCE (positions held/when)

1954 - Present Visiting Professor of Construction Management, University
of Reading

1969 - 1974 Professor of Construction Management, University of Reading

1966 - Present Lecturer (part-time) in Building Economics, University
of Sheffield

1974 - Present Visiting Professor of Construction Management, University
of Reading

PUBLICATIONS

Standard Phraseology for Bills of Quantities
Numerous Articles and Technical Papers on the Subject of
Construction Industry Communications and Information
Systems

HONORS (including societies)

Fellow of the Royal Institution of Chartered Surveyors
Fellow of the Chartered Institute of Arbitrators

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u>3</u> | Criteria for Organizational Forms |
| <u>5</u> | Tools for Evaluating Organizational Forms |
| <u>4</u> | Tools for Management of Construction |
| <u>2</u> | Thesaurus Compilation |

W-65

BIOGRAPHIC INFORMATION FORM

NAME Gaarslev, Axel
ADDRESS The Technical University of Denmark
Department of Construction Management
Building 115
2800 Lyngby
DENMARK

PROFESSIONAL EXPERIENCE (positions held/when)

1980 - Present Professor of Construction Management, The Technical University of Denmark
1969 - 1980 Associated Professor of Construction Management, Denmark
1968 - 1969 Visiting Scholar, Stanford University, California, USA
1967 - 1968 Employed by Consulting Engineering Firm
1964 - 1967 Assistant Professor of Construction Management, Denmark
1960 - 1964 Employed by Contractor
1959 - 1960 Employed by Consulting Engineering Firm

PUBLICATIONS

Several books, papers etc. in English and Danish on Construction Management

HONORS (including societies)

M.Sc. in Civil Engineering

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u> </u> | Tools for Evaluating Organizational Forms |
| <u>2</u> | Tools for Management of Construction |
| <u> </u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Gil, Avimar
ADDRESS 112 Herzl Blvd.
Jerusalem
ISRAEL

PROFESSIONAL EXPERIENCE (positions held/when)

1972 - Present PWD Deputy Director, Head of Building Directorate, Headquarters, Tel-Aviv
1971 - 1972 PWD Chief Design Engineer, Roads Department, Headquarters, Tel-Aviv
1970 - 1971 PWD District Engineer, Jerusalem District
1961 - 1970 PWD District Engineer, Northern District
1952 - 1967 PWD Jerusalem District, various positions

PUBLICATIONS

Various publications on management of construction, Israel journals

HONORS (including societies)

Various citations by Israel institutions concerning the
advancement of building systems and management

PRIORITY RANKING IN INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Greven, Erik, D. W.
ADDRESS De Wieken 4
4765 BB Zevengergschen Hoek
NETHERLANDS

PROFESSIONAL EXPERIENCE (positions held/when)

1977-Present Consultant in Construction Management, Facility Design, Port Planning and Operations Management for Private Industry and Governmental Organizations and Supervisor of Graduate Student Projects

1975-Present Member of the Faculty and Research Associate- Construction Management and Organization of Civil Engineering Projects for the Department of Civil Engineering of the Delft University of Technology

1974 Civil Engineer (temp position) Facility Operations and Maintenance Division of the U.S. Army Construction Engineering Research Laboratory

PUBLICATIONS

Greven, E. D. W., Decision Analysis in Civil Engineering, Technische Hogeschool, Delft, 1980

Wagenmaker, H. and Greven, E. D. W., The Organization of Construction, Technische Hogeschool, Delft, 1979

Cost Engineering of Building Cost-Element Model in the Early Design Stage, in Proceedings of CIB W-65 Second Symposium on Organization and Management of Construction, Session III, pp. III-157 - III-176, Haifa, 1978

Wagenmaker, H., Greven, E. D. W., Project Organization, Technische Hogeschool, Delft, 1977

HONORS (including societies)

Member KIVI (Royal Institute of Engineers)
Outstanding Civil Engineering Graduate Design
Award 1975, Delft University of Technology
Graduate Rotary Fellow Scholarship, 1973-1974

Erik D. W. Greven (cont)

PRIORITY RANKING IN INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Halperin, Don A.
ADDRESS School of Building Construction
University of Florida
Gainesville, FL 32611

PROFESSIONAL EXPERIENCE (positions held/when)

1953 - Present Faculty Member, University of Florida; Presently Director
of School of Building Construction
1948 - 1953 Architect, Braverman and Halperin, Cleveland, OH
1945 - 1946 Civil Engineer, U.S. Navy Bureau Yards and Docks

PUBLICATIONS

Papers in Journal of the American Institute of Architects,
Florida Constructor, Florida Architect, Florida Building,
The Constructor, and Technical Education; Four Books

HONORS (including societies)

Sigma Xi (Scientific Research)
Pi Delta Epsilon (Journalism)
Tau Kappa Alpha (Forensic)
Sigma Lambda Chi (Construction)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>3</u> | Organizational Forms |
| <u>2</u> | Performance Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Halpin, Daniel W.
ADDRESS 1655 Harbour Oaks Road
Tucker, GA 30084

PROFESSIONAL EXPERIENCE (positions held/when)

1973-Present Faculty, Georgia Institute of Technology,
Atlanta, GA
1972-1973 Faculty, University of Illinois
1972-1970 US Army Corps of Engineers (Engineer and Research
Analyst)

PUBLICATIONS

Halpin, D., Design of Construction and Process-Operations, John Wiley and
Sons, Publisher, 1976
Halpin, D., Construction Management, John Wiley and Sons, Publisher, 1980
Halpin, D., Planung und Kontrolle von Bauproduktionsprozessen, Springer Verlag,
1979 (co-author)
Report, Information Management of Nuclear Power Stations, in Five Volumes
for Department of Energy, Washington, DC
Articles in Construction Journal, American Society of Civil Engineer
Reports to National Science Foundation entitled, A Computerized Construction
Gaming Environment, and Construction Management Systems in Romania

HONORS (including societies)

Vice-President, Georgia Section, ASCE, 1979-1980
Recipient of Walter L. Huber Research Prize, American
Society of Civil Engineers, 1979
Director, Georgia Engineering Foundation
Member, ASCS, ASEE, Sigma Xi
NDEA Fellow, University of Illinois 1968-1970, Ph.D
Civil Engineering
Exchange Lecturer, Center of Cybernetics in Construction,
Bucharest, Romania, 1973
Visiting Scholar, Technical University, Munich, Germany,
1967-1968, 1979
Consultant, US-USSR Joint Working Group, Project Team 3,
1, Management of Large Scale Construction

Daniel W. Halpin (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u>4</u> | Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>3</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Hamburger, I.
ADDRESS 7300 Summit Avenue
Chevy Chase, MD 20015, USA

PROFESSIONAL EXPERIENCE (positions held/when)

1975-Present General Engineer - Construction Management, HQ USAF
Directorate of Engineering & Services

1957-1975 Civil Engineering/Architectural Engineering/Materials
Engineering (Consultant Structural Preservation),
HQ USAF Directorate of Civil Engineering

1954-1957 Architectural Engineer/Chief Maintenance Engineering,
Andrews AFB, USAF Base Installations Engineering Office

1941-1954 Associated with Construction Industry - Trades,
Project Development, Structural Maintenance/
Rehabilitation and New Construction

PUBLICATIONS

An Engineering Approach to Maintenance

Structural Corrosion Problems and Coatings Affecting Air
Force Civil Engineering

Quality Practical Communications: Fundamental To Improved
Construction Management, Second INT'L CIB W-65 CONF

in Service, Intergovernmental Manuals and Standards,
Contributor to Federal Construction Council and Building Research
Advisory Board reports, computerized construction specifications,
Miscellaneous quality controls and related construction
Material presentations associated with Structural Systems
Engineering Courses at Air Force Institute of Technology (AFIT)

HONORS (including societies)

Honorary Member of Faculty, AFIT; Outstanding Award -
USAF Civil Engineering Materials Program; Outstanding
Conservation Farmer, Hardy County, W. VA; USA; Member -
American Management Association, American Institute of
Plant Engineers, American Society for Testing Materials,
Association for Preservation Technology, Construction
Specifications Institute, National Association of

I. Hamburger (cont)

Corrosion Engineers, Society of American Military Engineers,
Steel Structures Painting Council, Washington Society
of Engineers

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Handa, V.K.
ADDRESS Dept of Civil Engineering
University of Waterloo
Waterloo, Ontario N2L 3G1
Canada

PROFESSIONAL EXPERIENCE (positions held when)

| | |
|--------------|--|
| 1976-Present | Advisor, Housing and School Building Programmes |
| 1976 | Advisor, Construction Management & Training |
| 1975-1977 | Visiting Professor |
| 1971 | Visiting Professor |
| 1970-Present | Professor, Civil Engineering, Construction Management |
| 1969-1970 | Chairman and Visiting Professor Civil Engineering |
| 1966-1969 | Associate Professor |
| 1964-1966 | Assistant Professor Civil Engineering and Design |
| 1963-1967 | Project Director & Assist Project Director, EXPO 67 Projects |
| 1961-1964 | Lecturer, Civil Engineering |
| 1961 | Senior Technical Engineer, Project Management |
| 1960-1961 | Lecturer, Civil Engineering |
| 1959-1960 | Project Engineer, Soil Mechanics |
| 1958 | Assistant Construction Engineer |
| 1956-1958 | Teaching Research Assistant |
| 1954-1956 | Graduate Engineer, Reinforced Concrete |

PUBLICATIONS

Handa, Vir K., "Planning Project," CPM PERT Manual
Handa, Vir K., The Discipline of Design
Handa, Vir K., Education and Training in Construction, Rapporteur Paper

V.K. Handa (cont)

HONORS (including societies)

Fellow, the Institution of Engineers (India)
Association of Professional Engrs of Ontario
Project Management Institute
Canadian Standards Association
CIB W-65 Commission

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Hareli, Mordecai
ADDRESS 4 Hankin Str.
Holon
ISRAEL

PROFESSIONAL EXPERIENCE

1973-Present Manager of R&D Department, Building Centre of Israel
1967-1973 Head of Building Dept. Israel Institute of Productivity
1962-1966 Project Manager, Kibbutz Meuhad Construction Enterprise
1960-1961 Site Engineer, Nigersol Const. Co., Western Nigeria

PUBLICATIONS

Optimizing the Execution Sequence in Construction Projects with Repetitive Processes, paper presented to CIB W-65 2nd Symposium on Organization and Management, Haifa, 1978

Hareli, M., The Influence of Project Cash Flow on Determining the Mark-up in Bids for Contract

Hareli, M., The Formation of an Effective Construction Industry Sector in Developing Countries, report submitted to UNIDO Exp Group Meeting on Construction Industry, Vienna, Austria, October 1973

Computer Scanning Methods for Optimizing the Execution Sequence in Construction Projects with Repetitive Features, Research thesis submitted to the Senate of the Technion, Israel Institute of Technology, in partial fulfillment of the requirements for the degree of Master of Science in Computer Science, Haifa, Israel, February 1976

Hareli, M., "Production Process - Adaptation of Type of Model to Type of Project," The Building Centre of Israel Quarterly No. 16, July-September 1974, pp 233-236

Standard Guidelines for Preparation of Architectural Working Drawings for Public Construction (with co-authors Weinraub, Turetz, Schwammenthal and Kinsbrunner), published by the Israeli Institute of Productivity, 1972 in Hebrew

Mordecai Hareli (cont)

Hareli, M. (Editor) et alia: Catalogue of Guiding Values of Inputs Needed for Construction Works, published by Building Centre of Israel, Tel-Aviv, May 1979

HONORS (including societies)

| | |
|--------------|---|
| 1970-Present | Member, Association of Engineers and Architects in Israel Chairman of Section for Construction Management and Organization, 1979 |
| 1976 | M.S. degree in Computer Science, Technion, I.I.T. |
| 1959 | Civil Engineering Diploma, Technion, I.I.T. |
| 1956 | B.S. degree in Civil Engineering, Technion, Israel Institute of Technology, Haifa |

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
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| <u>1</u> | Tools for Management of Construction |
| <u>3</u> | Thesaurus Compilation |

BIOGRAPHIC INFORMATION FORM

NAME Herbsman, Zohar

ADDRESS University of Florida
Department of Civil Engineering
346 Weil Hall
Gainesville, FL 32611

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|-----------|---|
| 1980 | Visiting Professor, University of Florida at Gainesville |
| 1978-1979 | Visiting Professor, University of British Columbia in Vancouver |
| 1977-1978 | Visiting Professor, University of Florida at Gainesville |
| 1977 | D.Sc. (Construction) Technion I.I.T., Haifa, Israel |
| 1973-1977 | Consulting Engineering of Construction Management, Haifa, Israel |
| 1971-1972 | "Lokpoho" Ivory Coast General Manager of the "Lokpoho Project" |
| 1970 | M.Sc. (Construction) Technion I.I.T., Haifa, Israel |
| 1968-1971 | "Mekorut" Haifa, Israel - Chief Estimator of Northern Division of the Company |
| 1966-1968 | "Agridev" Abidjan Ivory Coast (West Africa) - Head of Daloa Division of the Company |
| 1962-1966 | "Mekorut", Haifa, Israel - Project Manager of Different Heavy Construction Projects |
| 1962 | B.Sc. Technion I.I.T., Haifa, Israel |

PUBLICATIONS

Herbsman, Z., and D. Arman, "Use of Computer for Cost Estimates in the Building Industry," In the Field of Building, No. 181, Haifa, 1971

Herbsman, Z., "Computers in the Service of Building Companies," The Building Centre of Israel, Tel Aviv, April 1975

Herbsman, Z., Use of Computers for Cost Estimates in Construction Companies, Technion I.I.T., Haifa, Israel, 1970 (Thesis for M.Sc.)

Zohar Herbsman (cont)

Herbsman, Z., Development of Mathematical Model for Estimating and Updating of Construction Inputs, Research Thesis for D.Sc. Technion I.I.T., Haifa, Israel, March 1977

Herbsman, Z., Combined Projects, An Instrument for Training Construction Management Engineers, Second International Symposium on Organization and Management C.I.B., Haifa, Israel, 1978

HONORS (including societies)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
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| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Hickman, Anthony

ADDRESS Architect
17 Cedar Chase Taplow
Maidenhead Berks SL6 OEU
ENGLAND

PROFESSIONAL EXPERIENCE (positions held/when)

1960 - Present Architect concerned with a wide range of design, constructional, contract and organizational problems including project management for housing, health buildings, commercial and industrial projects both in UK and overseas.

1962-1970 Architect to a multi-million multi-national building material producer and advisor to the Research and Development subsidiary with particular responsibility for discipline practice of architects, surveyors and valuers. Honorary Secretary Franco-British Union of Architects and Vice-Chairman of the Professional Conduct Committee of the Royal Institute of British Architects.

PUBLICATIONS

Papers on the Use of Plasterboard in Lightweight Partitions, CIB Symposium on Low Rise Light Weight Construction, Budapest 1971

Noise Control - Principles in Practice, International Federation of Hospital Engineering Second Congress, London 1972.

Articles on the French Building Exhibition - Batimat, Paris, Architects Journal 1971, 1973, 1975 and 1979

The Dusseldorf Exhibition Centre, 1971 and Timberwork in Jeddah, 1978

HONORS (including societies)

Commendation Financial Times Industrial Architecture Award 1971

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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_____ Performance Criteria for Organizational Forms
_____ Tools for Evaluating Organizational Forms
_____ Tools for Management of Construction
_____ Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Humar, R.
ADDRESS Echeverria 1168
Florida 1602
ARGENTINA

PROFESSIONAL EXPERIENCE (positions held/when)

1974-Present Advisor of Different Countries: Constr
Met SRL Artcases SA. Alpargatas SA

1969-Present Professor - UCA: Facility of Engineering: Organization,
Programming, Control

1969-1974 Secretary of Housing: Director of General Technology

1968-1969 Organization of American States: Director of Tech
Coordination

1965-1966 Faculty of Architecture: Department of Economics

1963-1965 Bowcentrum Argentina: Dept of Organization & Economics

PUBLICATIONS

Humar, R., Cost Control, 1965

Humar, R., Productivity of Construction, 1965

Humar, R., Fabrication of Precast Concrete, 1977

HONORS (including societies)

Member, Argentina Center of Engieers
Member, Institute of Argentina Quality Control
Member, IRAM (Institute of Rationalization of Argentine
Materials)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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_____ Performance Criteria for Organizational Forms
_____ Tools for Evaluating Organizational Forms
_____ Tools for Management of Construction
_____ Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Ireland, Vernon

ADDRESS The New South Wales Institute of Technology
P.O. Box 123
Broadway, N.S.W. 2007
AUSTRALIA

PROFESSIONAL EXPERIENCE (positions held/when)

1963-1968 Structural Engineer and Building Surveyor
Council of City of Sydney

1969 Employed by Consulting Engineer
Wargon Chapman & Associates, Sydney

1970-1980 Lecturer, Senior Lecturer and Head of Department
Building Department, The New South Wales Institute
of Technology

1966-1980 Building Consultant

PUBLICATIONS

Evaluation as a part of the Learning Process, Australian Architectural Education Conference, Sydney, August 1973

A Proposed Industry Standard Beam-Column Connection for Framed Precast Concrete Structures, Developments in Reinforced Concrete, Conference of Institution of Engineers, Australia, September 1973

A Conceptual Model for Designing Organizational Forms Within The Building Process - with A. C. Sidwell, CIB W-65 Second Symposium on Organization and Management of Construction, Vol. 1, p. 151-163

Modeling The Building Process

- Part 1 - A Background in Organization Theory - Vol. 25,
The Chartered Builder (Australia)
- Part 2 - A Model to Establish and Achieve Goals - Vol. 26,
The Chartered Builder (Australia)
- Part 3 - Management of the Design Team - Vol. 27,
The Chartered Builder (Australia)
- Part 4 - Sequential Lump Sum Tendering vs Project
Management - Vol. 29, The Chartered Builder
(Australia)

Vernon Ireland (cont)

HONORS (including societies)

Bachelor of Engineering
Bachelor of Arts
Master of Engineering Science
Member of Institution of Engineers of Australia
Member of Australian Institute of Building

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
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| <u>3</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Irwig, Henry George

ADDRESS Department of Civil Engineering
Case Western Reserve University
Cleveland, OH 44106

PROFESSIONAL EXPERIENCE (positions held/when)

1978 - Present Associate Professor of Civil Engineering, Case Western Reserve University, Cleveland, OH

1977 Research Associate in Civil Engineering, Massachusetts Institute of Technology Cambridge, Massachusetts

1970 - 1977 Lecturer in Construction Management, Department of Building Science University of the Witwatersrand Johannesburg, South Africa

1967 - 1970 Partner in J.C. Cook & Cowen, Architects, Johannesburg, South Africa

PUBLICATIONS

Irwig, H., Project and Functional Managers in Construction: A Critical Functions Approach, 1979 Proceedings of the Project Management Institute, 11th Annual Seminar symposium, Atlanta, 1979, pp 131-139

Irwig, H., "Organizational Strategies in the Building Industry and the Reaction of the Architectural Profession," in press, Architectural Science Review, 1980

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
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| <u>4</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Joglekar, M. N.
ADDRESS Housing & Urban Development Corp, Ltd.
12-A Jamnogu House
New Delhi 110011, INDIA

PROFESSIONAL EXPERIENCE (positions held/when)

Responsible for Design and Research Work Conducted and Organized by HUDCO Including Low Cost Housing Demonstration Projects, Designing a Number of Housing Schemes and Two Townships

Experience in Field of Industrial Development Responsible for Planning Number of Industrial Estates and Large Industrial Townships in State of Gujarat

Worked on Civic Design and Urban Renewal Projects for Town Centre Re-Development, Slum Clearance, Recreational Development, Various Housing Schemes in London

HONORS (including societies)

Bachelors in Architecture

Masters in Housing, Planning and Building from the Netherlands

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

BIOGRAPHIC INFORMATION FORM

NAME Koch, Janet Ann (formerly J. A. K. Rossow)

ADDRESS Apt. 221
730 24th Street, N. W.
Washington, DC 20037

PROFESSIONAL EXPERIENCE (positions held/when)

Sep 79-Present Young Professional, World Bank, Washington, DC

Jan 77-Aug 79 Research Associate, Dept of Civil Engineering, M.I.T.,
Cambridge, MA

Jan 77-Aug 79 Consultant, CMT Incorporated, Cambridge, MA

Jan 77-Jan 78 Postdoctoral Fellow, School of Humanities & Social Science,
M.I.T., Cambridge, MA

Oct 71-Jan 77 Graduate Research Assistant, Dept of Civil Engineering,
M.I.T., Cambridge, MA

Oct 68-May 69
and
Jun 70-Aug 71 Undergraduate Research Assistant, Dept of Civil
Engineering, M.I.T., Cambridge, MA

Jun 69-Aug 69 Student Engineering Assistant, Barton-Aschman Associates,
Inc., Chicago, IL

PUBLICATIONS

Koch, Janet Ann, A Framework for an Initial Development Cost Model for
Single-Family Dwellings, S. B. Thesis, Department of Civil Engineering,
M.I.T., Cambridge, Massachusetts, Jun 71

Rossow, Janet Ann, A Review of the Major Issues Facing the Construction Indust-
ry in the United States, S. M. Thesis, Department of Civil Engineering,
M.I.T., Cambridge, Massachusetts, Summer 1974

Rossow, Janet Koch and Fred Moavenzadeh, The Construction Industry - A Review
of the Major Issues Facing the Industry in the United States, Research
Report No. R74-44, Department of Civil Engineering, M.I.T., Cambridge, Mas-
sachusetts, Summer 1974

Rossow, Janet Ann Koch and Fred Moavenzadeh, The Construction Industry in
Developing Countries, TAP Report No. 75-4a, Technology Adaptation Program,

Janet Ann Koch (cont)

M.I.T., Cambridge, Massachusetts, Spring 1975

Roscow, Janet A. K., Labor-Capital Substitution in Highway Construction - A Review of Some Case Studies, Paper presented at the First Conference on Highway Planning and Project Evaluation, Addis Ababa, Ethiopia, January 1976

Roscow, Janet A. K. and Fred Moavenzadeh, Risk and Risk Analysis in Construction Management, Paper prepared for the International Symposium on Organization and Management of Construction, Washington, DC, May 1976

Roscow, Janet Ann Koch and Fred Moavenzadeh, "Management Issues in the U.S. Construction Industry," Journal of the Construction Division, ASCE, Vol. 102, No. 602, June 1976

Roscow, Janet Ann Koch, The Role of Technology in the Productivity of Highway Construction in the United States, Ph.D. Thesis, Departments of Civil Engineering and Management, M.I.T., Cambridge, Massachusetts, February 1977

Roscow, Janet Ann Koch and Fred Moavenzadeh. Technology and Productivity in Highway Construction, TAP Report No. 77-1, Technology Adaptation Program, M.I.T., Cambridge, Massachusetts, Spring 1977

Roscow, Janet A. K. et al., "Housing Construction Industry and Materials Supply," Section C of The Housing Construction Industry in Egypt-Interim Report Working Papers, 1977, By the Joint Research Team on the Housing and Construction Industry, Cairo University/Massachusetts Institute of Technology for the U.S. Agency for International Development, TAP Report No. 78-3, Technology Adaptation Program, M.I.T., Cambridge, Massachusetts, Spring 1978

Roscow, Janet, Materials and Other Resources Used in Housing, Proceedings Seminar on Development of New Approaches to Housing Policy and Production in Egypt, Cairo, Egypt: January 21-24, 1978, Co-sponsored by Cairo University/Massachusetts Institute of Technology Technological Planning Program and Ministry of Housing and Reconstruction, Government of Egypt, for the U.S. Agency for International Development, TAP Report No. 78-4, Technology Adaptation Program, M.I.T., Cambridge, Massachusetts, Spring 1978

Roscow, Janet A. K. and Fred Moavenzadeh, Multi-National Firms in Construction, Paper prepared for the Second International Symposium on Organization and Management of Construction, Haifa, Israel, October 31 - November 1978

Roscow, Janet A. K. and Fred Moavenzadeh, Productivity and Technology Change in Construction, Paper presented at the ASCE Spring Convention, Boston, Massachusetts, April 2-6, 1979

Koch (Roscow), Janet A., Keat Soon Chew, and Fred Moavenzadeh, A Methodology for Evaluation of Rural Roads in the Context of Development, Paper prepared for the Second International Conference on Low-Volume Roads, Ames, Iowa, August 20-23, 1979

Janet Ann Koch (cont)

Koch, Janet A. and Fred Moavenzadeh, "Productivity and Technology in Construction," Journal of the Construction Division, ASCE, Vol. 105, No. 604,
December 1979

Koch, Janet A., Tarek Selim, and Omar El Gamal, "Organization and Operation of the Construction Industry," Section III of The Housing and Construction Industry in Egypt - Interim Report Working Papers, 1978, By the Joint Research Team on the Housing and Construction Industry, Cairo University/Massachusetts Institute of Technology, for the U.S. Army for International Development, TAP Report No. 79-5, Technology Adaptation Program, M.I.T., Cambridge, Massachusetts, Spring 1979

HONORS (including societies)

Mellon Foundation Postdoctoral Fellowship, Jan 77
to Jan 78

Sloan Research Traineeship, Sep 74 to Oct 75

Tucker-Voss Award, 1974

NSF Graduate Traineeship, Sep 71 to Oct 72

Society of Sigma Xi

Tau Beta Pi

Chi Epsilon Fraternity

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
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| <u>2</u> | Tools for Management of Construction |
| <u>1</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Larew, Richard E.
ADDRESS Construction Engineering and Management
Department of Civil Engineering
2070 Neil Avenue
Columbus, OH 43210, U.S.A.

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1978-Present | Certified Cost Engineer |
| 1974-Present | The Ohio State University, Associate Professor of Civil Engineering, Construction Engineering and Management |
| 1960-Present | Self-employed - Consulting |
| 1956-Present | Licensed Professional Engineer (Architectural, Civil, and Mechanical) and Land Surveyor |
| 1955-1971 | Self-Employed - General Contracting and Engineering |
| 1953-1959 | U.S. Army Corps of Engineers |
| 1953-1955 | Active Duty, Unit Commander |
| 1951-Present | Master Plumber |
| 1942-1974 | Family-Owned Mechanical Contracting Company |

PUBLICATIONS

Larew, R. E., A Quantitative Approach to Estimating and Pricing in a Construction Company, Doctoral Dissertation, The University of Iowa, May 1976

Causes of Low Profits and High Rate of Failure in Contract Construction, Proceedings, Thirty-First Annual Ohio Transportation Engineering Conference, OSU/OCA, Columbus, OH, April 1977, pp 55-71

Mason, G. E., R. E. Larew, J. C. Borcherting, C. R. Stokes, Jr., P. R. Rad and R. G. Jones, Delays in Nuclear Power Plant Construction, U.S. ERDA, Contract No. E (11-1)-4171, December 1977

Larew, R. E. and Doug Ludolph, "Rejoinder to a Bidding Strategy for Competitively Bld Construction Contract," AACE Journal, January-February 1978, pp 15-16, 25-26

Richard E. Larew (cont)

Larew, R. E., International Skills in Construction Operations, Proceedings, North Central Section, American Society for Engineering Education, University of Toledo, OH, April 1978, pp 29-34

An Analysis System for Unimodal Distributions, Proceedings, Ninth Annual Pittsburgh Conference for Modeling and Simulation, University of Pittsburgh, April 1978, Instrument Society of America, Vol 9, Part 3, pp 1065-1072

Ignorance: The Bastion of Self Defense, Proceedings, 22nd Annual Meeting of the American Association of Cost Engineers, San Francisco, July 1978, pp 342-347

Preventing or Mitigating the Effects of Construction Delays, Proceedings, Second International Symposium on Organization and Management of Construction, Israel Institute of Technology, Haifa Israel, October 31 - November 2, 1978, Vol 1, pp 231-239, Final Report, Vol IV, pp 98-100, 162-164

Risk Analysis: Bad and Not Bad Approaches, Proceedings, Symposium on Cost Engineering, North and South Florida Sections of the American Association of Cost Engineers, Miami, FL, February 22-24, 1979

Larew, R. E. and M. K. Morrison, Estimating and Pricing in the Construction Industry, The New Zealand Institution of Engineers, Wellington, New Zealand

HONORS (including societies)

American Association of Cost Engineers
American Institute of Constructors
American Institute of Industrial Engineers
American Society of Civil Engineers
American Society for Engineering Education
American Statistical Association
National Society of Professional Engineers
Merit Award (Residential Design) of the Iowa Home Builders' Association and the Iowa State University Department of Architecture (1965)
Award of Merit (Residential Construction), Homes for Better Living of the American Institute of Architects, House & Home, and The American Home (1967)

PRIORITY RANKING OF INTEREST IN W-65 CHAPTER (1 = highest priority)

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| <u>4</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65

NAME Law, Alastair G.

ADDRESS Matthew, Marshall, & Partners
3222 N. Street, N.W.
Washington, DC 20007

PROFESSIONAL EXPERIENCE (positions held/when)

1966 - Present USA Executive Partner in Charge of Construction Cost
Management Services

1966 - Present Partner, Robert Matthew, Johnson-Marshall and Partners

1952 - 1966 UK - Various Consulting and Research Posts in Public
and Private Sectors

PUBLICATIONS

Law, A., Construction Standards and Methods Appropriate for Simple Building Needs, UNDP/WORLD BANK Interregional Project, 1979.

Law, A., "Total cost Management in the Building Industry," Urban Innovation
Abroad, November 1979.

HONORS (including societies)

Fellow, Royal Institute of Chartered Surveyors

Member, Society of American Value Engineers

Member, USNC/CIB W-65 Committee

Adjunct Professor, Construction Economics/Construction

Management, School of Architecture & Planning, Howard
University, Washington, DC

PRIORITY RANKING OR INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>4</u> | Organizational Forms |
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| <u>1</u> | Tools for Management of Construction |
| 5 | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Lazar, Benjamin E.

ADDRESS Associate Professor of Civil Technology and
Head, Construction Program
University of Houston
College of Technology
Houston, TX 77004

PROFESSIONAL EXPERIENCE (positions held/when)

Monit - Lavoie - Nadon, Consulting Engineers, Montreal
Senior Design Engineer, in Charge of Structural Design
of HABITAT 67 House Units for the 1967 World Exposition

Rust Engineer Co., Montreal - Senior Structural Engineer
in Charge of the Design of a Refiner Groundwood Pulp
Mill for Canadian International Paper, Ltd

Foundation of Canada Engineering Corporation Ltd., Montreal,
Design Engineer - Structural Design on Several Industrial
and Office Building Projects: Conveyors for Fiberglass
Plant, Candiac, Quebec; Pile Foundations for "Liquid
Air," Vancouver, Washington; Cement Plant for Canada
Cement, Brokville, N.S.; Paper Warehouse for E.B. Eddy
Co., Hull, Quebec; Office Building for Royal Bank of
Canada, Quebec City, Quebec

Quebec Hydro-Electric Commission, Montreal - Senior Civil
Engineer in Charge of Design for the Rapide de Quinze
Dam Notre Dame du Nord, Quebec

Logging Research Associates, Montreal - Consultant for
Stress Analysis and Stability Problems

Gerzi-Textile-Organization, Consulting Engineerings, Zurich,
Switzerland - Design of Reinforced and Prestressed Concrete
Elements and Systems for Industrial Structures,
Warehouses, Cooling Towers - Design of Roads, Sewers,
Water Supply Systems and Underground Construction - Stream
Deviation Studies

Precast Concrete Co., Progresul, General Contractors and
Precast Concrete Manufacturers and Erectors, Engineer -
Design and Supervision of Precast and Prestressed Concrete
Structures

Doric Vaults, Inc. Houston, Texas, Consultant for Precast
Concrete Technology

Benjamin E. Lazar (cont)

Associated Testing Laboratories, Houston, TX Consultant
for Construction Materials Testing

Consultant for Stress Analysis, Structural Engineering
and Piping Engineering to the Following Companies:

Erhardt Division of Proncon Incorporated

S.I.P. Inc.

G.D.S. Engineering Inc.

The Lummus Company

Foster Wheeler Energy Corp.

Celanese Chemical Company

Southland Paper

Arco Chemical Company

Houston General Insurance Company

Houston Metal Recovery Company

PUBLICATIONS

Lazar, B., "The Building Systems Industry, State-of-the-Art," Construction,
July 1958 and November 1958

Lazar, B., "Advanced Reinforcing Techniques for Precast Concrete," Construction,
October 1959

Lazar, B., Model Investigation of Cable Stayed Bridges, Sir George Williams
University, 1969-1970

Report No. 1, Preliminary Considerations

Report No. 2, Influence Lines for Cable Stayed Bridges

Report No. 3, Structural Analysis of Cable Stayed Bridges

Report No. 4, Nonlinear Behavior

Report No. 5, Post-Tensioning of Cables

Report No. 6, Conclusions

Lazar, B., Model Analysis and Design of Cable Stayed Bridges, Proceedings of
the Institution of Civil Engineers, March 1971, London, England

Lazar, B., A Model Technique for Analysis of Structures Displaying Geometrical
Nonlinearity, Paper presented at the October 1971 Meeting of the Society for
Experimental Stress Analysis

Lazar, B., Model Investigation of Cable Stayed Bridges, Paper presented at
"CanCam 71," the Third Canadian Congress of Applied Mechanics, University of
Calgary, May 1971

Lazar, B., A Technique for Determination of Two Dimensional Joint Displace-
ments, Experimental Mechanics, February 1973

Lazar, B., Load Balancing of Steel Structures, Proceedings of the American
Society of Civil Engineers, Journal of the Structural Division, August 1972

Benjamin E. Lazar (cont)

Lazar, B., Analysis of Cable Stayed Bridges by the Stiffness Method, Proceedings of the American Society of Civil Engineers, Journal of the Structural Division, July 1972

Lazar, B., A Structural Analog for Determination of Post-Tensioning Forces of a Cable Stayed Bridge, Strain, October 1971, London, England

Lazar, B., Tubular Rigid Connections, Research Report No. 1, Sir George Williams University, Faculty of Engineering, 1971

Lazar, B., A Model Technique for Analysis of Structures Displaying Geometrical Nonlinearity, Experimental Mechanics, May 1972

Lazar, B., Tubular Rigid Connections, Final Report, Sir George Williams University, Faculty of Engineering, 1972

Lazar, B., Moment Connections Between Square Tubular Sections, paper presented at CanCam 1973, the Canadian Congress of Applied Mechanics, May 1973

Lazar, B., Strengthening of an Industrial Structure to Resist Increased Loads, Paper presented at the 1974 Spring Meeting of the American Society of Civil Engineers, Texas Section

Lazar, B., A New Course on Prefabricated Concrete Systems, Paper presented at the 1974 meeting of the International Association of Housing Science held in Montreal, Canada

Lazar, B., Education and Training of Professionals for the Prefabricated Concrete Industry, Paper presented at the 1975 annual meeting of the American Society of Civil Engineers held at Kansas City, Missouri

Lazar, B., The Use of Commodity Futures for Estimating the Cost of Long Range Construction Projects, Paper presented at the Conference on Advanced Construction Estimating and Cost Control Methods held at the University of Houston on April 2, 1976

Discussion of Paper No. 7903, Full-size Lightweight Concrete Columns, Proceedings of the American Society of Civil Engineers, Journal of the Structural Division, July 1971

Discussion of Paper No. 8116, Analysis of Cable Stayed Girder Bridges, Proceedings of the American Society of Civil Engineers, Journal of the Structural Division, 1971.

Discussion of Paper No. 9151, Design of Cable Stayed Girder Bridges, Proceedings of the American Society of Civil Engineers, Journal of the Structural Division, May 1971

Benjamin E. Lazar (cont)

HONORS (including societies)

Pier Fellowship awarded by the National Research Council
of Canada
American Society of Civil Engineers, Member
Texas Society of Professional Engineers, Member
Corporation of Professional Engineers of Canada, Member
Associated General Contractors of America, Member
American Institute of Constructors, Member
American Society for Engineering Education, Member
American Society of Professional Estimators, Member
American Association of Cost Engineers, Member

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

| | |
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| — | Organizational Forms |
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| — | Tools for Management of Construction |
| — | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Levitt, Raymond E.
ADDRESS Department of Civil Engineering
Stanford University
Stanford, CA 94305

PROFESSIONAL EXPERIENCE (positions held/when)

1980-Present (Stanford) Associate Professor of Civil Engineering
1979-1980 (MIT) Associate Professor of Civil Engineering
1975-1979 (MIT) Assistant Professor of Civil Engineering

PUBLICATIONS

"The Effect of Top Management of Safety in Construction," Stanford University Department of Civil Engineering, Technical Report No. 196, July 1975
"Legal Aspects of Scheduling Techniques for Contractors," Stanford University Construction Institute, Working Papers, 1976
"Reducing Construction Accidents - Top Management's Role," with Henry W. Parker; accepted for publication in ASCE Journal of the Construction Division, February 1975
"Human Information - Handling Capacity as a Factor in the Design of Project Control Systems," with Robert D. Logcher; USNCCIB International Symposium on Organization and Management of Construction, May 1976
"The Human Element in Project Control Systems," with Robert D. Logcher; "Project Management Institute Annual Symposium," Montreal, Canada, October 1976
Levitt, R. E., An Analysis of Apprenticeship Training in the Non-Union Sector of the Construction Industry, with David M. Vanderels, May 1976
Levitt, R. E., An Analysis of Non-Apprentice Forms of Training in Construction, with Robin R. Cababa, September 1976
Levitt, R. E., Financing Operations of American Contractors in Developing Countries, with Jozef Kesselman, September 1976
Levitt, R. E., Applications of Modern Organization Theory to Prediction of Conflicts and Organizational Design on Major Construction Projects, with Lamberto Andreotti, February 1977

Raymond E. Levitt (cont)

Levitt, R. E., Problems Facing a Foreign Contractor in Saudi Arabia, with Francesco Bachetoni, February 1977

Levitt, R. E., Investigation of Alternative Methods for Measuring the Size of the Non-Union Sector of the Construction Industry, with Royce Reinecke, February 1977

Levitt, R. E., The Third Harbor Crossing: A Rational, Organizational and Political Analysis, with Louis M. Wenick, February 1977, supervised with David Major

Levitt, R. E., A Comparison of Occupational Structure in Union and Non-Union Residential Construction, with James Blaney, June 1977, supervised with James Becker

Levitt, R. E., The Construction Manager at Work: Determining His Activities, Roles, and Time Allocation by Structured Observation, with William L. Jones, June 1977

Levitt, R. E., The Regulation of Construction Safety in the USA and in France: A Comparative Study, with Fernand de Waziers, June 1977

Levitt, R. E., The Role of the Teamsters Union in the Construction Industry, with William P. Fogarty, September 1977

Levitt, R. E., Subcontracting in the U.S. Construction Industry, with Nicholas J. Machnik, September 1977

Levitt, R. E., Industrialized Housing: The Closed Wall Panel Approach, with David Peters, September 1977, supervised with James Becker

Levitt, R. E., The Analysis of Risk in Transportation Construction, with Michael Dziekan, June 1978

Levitt, R. E., Project Organization for Renovation Work, with Kenneth Hoffman, June 1978, supervised with James Becker

Levitt, R. E., Incentives for Worker Input for Control Systems in the Construction Industry, with Richard Burns, September 1978

"Improved Designs for Tunnel Supports," with H. H. Einstein et al., U.S. Department of Transportation, Contract #DOT-OS-60136, January 1978

"Organization of Work in Construction," Chapter in Human Factors in Civil Engineering, edited by Martin Helander (in publication for Wiley Interscience)

Raymond E. Levitt (cont)

- "Cooperative Control Systems for Improving Construction Productivity," prepared for National Center for Productivity and Quality of Working Life, with R. H. Burns, M.I.T., Department of Civil Engineering, Publication No. 630, June 1978
- "A Comparison of Wages and Labor Management Practices in Union and Non-Union Construction," with Clinton C. Bourdon, M.I.T., Department of Civil Engineering, Publication No. 598, June 1978
- "A Quantitative Method for Analyzing the Allocation of Risk in Transportation Construction," with D. B. Ashley and R. D. Logcher, M.I.T., Department of Civil Engineering, Publication No. 605, August 1978
- "Principles for an Integrated MIS for Design Firms," with R. D. Logcher, Second International Symposium on Organization and Management of Construction of CIB-W65, Haifa, Israel, October 31 - November 2, 1978
- "Organization & Control of Engineering Design Firms," with R. D. Logcher, ASCE Issues in Engineering, January 1979
- "Wage and Labor Practices in Union and Nonunion Construction," with C. C. Bourdon, in publication for Lexington Books, 1979
- "A Quantitative Method for Analyzing the Allocation of Risks in Underground Construction," Tunneling Technology, U.S. National Committee on Tunnel Technology, Washington, D.C., June 1979 - Reprint in Proceedings of ASCE Specialty Conference on Risk and Liability, Vol. II, Scottsdale, AZ, January 1979
- "A Quantitative Method for Analyzing the Allocation of Risks in Transportation Construction," with David B. Ashley, Robert D. Logcher and Michael W. Dziuban, M.I.T., Department of Civil Engineering, Publication No. 613, February 1979
- "Options for the Design and Construction of Mass Transit Facilities," prepared for U.S. Department of Transportation, U.M.T.A., with R. D. Logcher, D. B. Ashley, and J. M. Wolahan, M.I.T., Department of Civil Engineering, Publication No. 643, May 11, 1979
- "Cost Impacts of Prevailing Wage Laws in Construction," with C. C. Bourdon, ASCE Journal of the Construction Division, December 1979
- "Union vs. Nonunion Construction in the U.S.," ASCE Journal of the Construction Division, December 1979
- "Assessing the Cost Impact of Risk Allocation in Construction," with D. B. Ashley and R. D. Logcher, presented at ASCE Convention, Atlanta, GA, October 1979, accepted for publication in ASCE Journal of the Construction Division, 1980

Raymond E. Levitt (cont)

Levitt, R. E., Application of Planned Change Techniques to Project Management in Construction, with Roy Morgan, February 1980

Levitt, R. E., Liability and Insurance of Design Engineering Firms, with Benedikt Bjarnason, May 1980.

Levitt, R. E., A Comparison of Occupational Structure In Union & Nonunion Commercial/Industrial Construction, with Steve Donato, May 1980

Levitt, R. E., The Entry of Women into the Construction Industry: Issues and Perspectives, with Steve Eustis, May 1980

Levitt, R. E., The Impact of Organizational Structure on Design Construction of Subway Tunnels with Muhamad Al-Momen, May 1980

Levitt, R. E., The Impact of Structural Design Conservatism on the Cost of Rapid Transit Tunnels, with Photios b. Ioannou, September 1980

Levitt, R. E., Coordination Problems in Fast Track Commercial Construction, with Andrea White, May 1980

Levitt, R. E., Union and Open Shop Construction: Compensation, Work Practices, and Labor Markets, with Clinton C. Bourdon, Lexington Books, D. C. Heath & Co., Lexington, MA, 1980

HONORS (including societies)

Roberts Construction Prize: Best Graduating
Civil Engineer, 1971

University Council Scholarship, 1972-1975

Stanford Construction Institute Fellowship, 1973-1975

Elected to Sigma Xi, 1975

American Society of Civil Engineers, Associate
Member since 1974

Boston Society of Civil Engineers - Division of
American Society of Civil Engineers, Associate
Member since 1978

Project Management Institute, Member since 1972

U.S. National Committee on Tunneling Technology, 1979-1982

National Research Council, U.S. National Committee on
Tunneling Technology (NAS/NAE), July 1, 1979-June 30, 1982

USNC/TT's key working subcommittee "Contracting &
Management Practices," 1979-1981

A.S.C.E. Construction Division Publication Committee, 1980

Raymond E. Levitt (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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W-65
BIOGRAPHIC INFORMATION FORM

NAME Logcher, Robert D.

ADDRESS Massachusetts Institute of Technology
Department of Civil Engineering
Room 1-253
Cambridge, MA 02139

PROFESSIONAL EXPERIENCE (positions held/when)

1962-Present Professor at the Massachusetts Institute of Technology

1974-80 Special Systems Analyst, G. F. Atkinson Co.,
So. San Francisco, CA

1964-1970 Senior Consultant, Engineering Computer International, Inc.

1964-1965 Engineering, Part-time, LeMessurier Associates

1961-1962 Instructor, Part-time, M.I.T.

PUBLICATIONS

Logcher, R. D., J. M. Biggs, and H. N. Wenke, The Use of STRUDL in Reinforced Concrete Building Design, ACI Committee 188 Computer Symp. Proc., American Concrete Institute, Michigan, 1971

Logcher, R. D., and A. Calla, Automated Optimum Design from Discrete Components, Structural Division, ASCE, Vol. 97, January 1971

Logcher, R. D., and J. N. Sussman, SPECS - A Specification Production Computer System, Structural Division, ASCE, Vol. 97, January 1971

Logcher, R. D., The Development of ICES STRUDL, Advances in Computational Methods in Structural Mechanics and Design, Huntsville, Alabama, 1972

Logcher, R. D., K. S. Patel, T. C. Harmon, and R. J. Hansen, Computer Aided Design of the Standard Oil of Indiana Building, Structural Division, ASCE, Vol. 99, April 1973

Logcher, R. D., J. J. Connor, and A. J. Ferrante, "ICES STRUDL-II Engineering User's Manual," Vol. 2, Additional Design and Analysis Facilities, M.I.T., Department of Civil Engineering, Research Report No. R70-77

Logcher, R. D., and J. N. Jackson, ICES TABLE-II Engineering User's Manual, M.I.T., Department of Civil Engineering, Research Report No. R69-34

Logcher, R. D., and J. J. Folinus, Interactive ICES Under ISO, M.I.T., Department of Civil Engineering, Research Report No. R73-10

Robert D. Logcher (cont)

Elggs, J. L., B. Schumacker, and K. D. Sowards, Interactive STRELL Graphics, M.I.T., Department of Civil Engineering Research Report No. 73-51

Logcher, R. D., "The Impact of Computers on Engineering Practice," The ICES Journal, Vol. 5, No. 2, July 1974

Logcher, R. D., P. De Camargo, and S. Suarez, "CREAL: Competitive Real Estate Analysis and Development Game" - Player's Manual, M.I.T., Department of Civil Engineering, September 1974, R74-50

The State-of-the-Art of Computer Graphics Applications in Structural Engineering, R. D. Logcher, Chairman, Task Committee on Computer Graphics, Structural Division, ASCE, Vol. 101, ST3, March 1975, pp. 459-504

Logcher, R. D., and R. A. Wellis, Data Management for Integrated Design and Management Systems, ASCE Meeting Preprint 2503, April 1975

Logcher, R. D., and J. J. Kotanchik, "Developing MIS Tools for Construction Management," National Development/Modern Government, Vol. 16, No. 5, June 1975

Logcher, R. D., and R. E. Levitt, Human Information Handling Capacity as a Factor in the Design of Project Control System, CIB International Symposium on Organization and Management of Construction, US Army Corps of Engineers, Champaign, Illinois, May 1976

Logcher, R. D., and R. E. Levitt, The Human Element in Project Control Systems, Project Management Institute Annual Symposium, Montreal, Canada, October 1976

Logcher, R. D., W. Schild, and A. Hauber, COSTMOD: A Cost Modeling System - User's Manual, M.I.T., Department of Civil Engineering, Cambridge, MA, R77-42, December 1977

Reedy, F. M., B. G. Irwig, and R. D. Logcher, Analysis of Component Interfaces and Effect on Construction, M.I.T., Department of Civil Engineering, Cambridge, MA, R77-42, December 1977

Logcher, R. D., Productivity Improvement Study-Summary Cost Report, M.I.T., Department of Civil Engineering, Cambridge, MA, R77-43, December 1977

Logcher, R. D., H. Moran, N. Granot, J. Raviv, B. Raz, and M. Reiss, Summary Report - Project for Innovation and Improvement in Housing, Building Center of Israel, Tel Aviv, Israel, January 1978

Veise, G. V., B. G. Irwig, R. D. Logcher, The Effect of Technology on Scheduling: A Comparative Study of U.S. and Israel Residential Construction, M.I.T., Department of Civil Engineering, Cambridge, MA, R73-2, January 1978.

Robert P. Logcher (cont)

Schild, W., A. Hauber, and R. D. Logcher, An Approach to Cost Estimating for Planning and Design - Part I: System Concepts and Specifications, IBM Israel Scientific Center, Haifa, Israel, Technical Report C62, March 1978

Logcher, R. D., and R. E. Levitt, Principles for an Integrated MIS for Design Firms, Proceedings of the Second International Symposium on Organization and Management of Construction of CIB W-65, Israel Institute of Technology, Haifa, Israel, October 1978

Logcher, R. D., G. Meyran, W. Schild, and A. Hauber, COSTMOD: An Approach to Cost Estimating for Planning and Design, Proceedings of the Second International Symposium on Organization and Management of Construction of CIB W-65, Israel Institute of Technology, Haifa, Israel, October 1978

Logcher, R. D., and Collins, W. W., "Management Impacts on Labor Productivity," J. of Construction Division, ASCE, Vol. 104, No. CC4, December 1978, pp. 447-462

Logcher, R. D., and Levitt, R. E., "Organization and Control of Engineering Design Firms," J. Professional Activities, ASCE, Vol. 105, No. F11, January 1979, pp. 7-14

Levitt, R. E., Ashley, D. B., Logcher, R. D., and Dziekan, M., A Quantitative Method for Analyzing the Allocation of Risks in Transportation Construction, M.I.T., Department of Civil Engineering, Publication No. 613, February 1979

Levitt, R. E., D. Ashley, J. Wolohan, and R. Logcher, "Option for the Design and Construction of Mass Transit Facilities," Prepared for the U.S. Department of Transportation, U.M.T.A., M.I.T., Department of Civil Engineering, Publication No. 643, May 11, 1979

Logcher, R. D., "The Nature and Impacts of Computer Systems in Project Management," Proceeding of the 3rd Symposium on Computer Systems in Civil Engineering and the 1st Latin American Congress on Computational Methods in Engineering, Porto Alegre, Brazil, December 1979

HONORS (including societies)

American Society of Civil Engineers
National Society of Professional Engineers
Massachusetts Society of Professional Engineers
Sigma Xi
Project Management Institute
NSF Graduate Cooperative Fellow, 1959-1961
NSF Graduate Fellow, 1961-1962
Ford Foundation Postdoctoral Fellow, 1962-1964
Moisseiff Award, ASCE, 1974

Robert D. Logcher (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
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| <u> </u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Messer, Gideon
ADDRESS 5 Hakeshet Street
 Mt. Carmel, Haifa
 ISRAEL

PROFESSIONAL EXPERIENCE (positions held/when)

1965 - Present General Management of MRB Engineering Company
1963 - 1965 Chief Engineer of a Contractor (airfields,
 roads, etc.)
1960 - 1963 Resident Engineer, National Water Carrier
1953 - 1960 Planning and Execution of Irrigation and
 Drainage Schemes

PUBLICATIONS

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

----- Organizational Forms
----- Performance Criteria for Organizational Forms
----- Tools for Evaluating Organizational Forms
----- Tools for management of Construction
----- Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Miners, Trevor W.
ADDRESS National Building Research Institute
P. O. Box 395
Pretoria, 0001
SOUTH AFRICA

PROFESSIONAL EXPERIENCE (positions held/when)

1964-Present Division Head, Methods and Applied Economics Division,
N.Build.R.I.
1960-1964 Research Officer - N.Build.R.I.
1951-1960 Quantity Surveyor - Partner
1950-1951 Quantity Surveyor - Professional Firm

PUBLICATIONS

- Miners, T. W., Communications and Cost Control in the Building Industry, CSI Special Report BOU 24, Pretoria, CSIR, 1971, p. 95
- De Vos, T. J., J. K. Evenwel, & T. W. Miners, Mechanization in the Building Industry, CSIR Research Report (NBRI Bulletin 52), Pretoria, CSIR, 1968, p. 72
- Miners, T. W., "The Utilization of Maintenance Cost Data in the Design of Buildings - An Assessment of the Advantages and also of the Difficulties Involved," S. Afr. Archit. J., Vol. 49, No. 7, July 1964, pp. 23-25
- Miners, T. W., "Some Aspects of Building Economics and Cost Planning," S. Afr. Archit. J., Vol. 50, No. 2, February 1965, pp. 22-26
- Miners, T. W., "Industrialized Building with Special Reference to Economic Aspects and Contractual Procedures," South African Builder, Vol. XLII, No. 2, Feb 65, pp. 21-27
- Miners, T.W., The Importance of Organization and Methods in Mass Housing, Presented at the S.A. Architectural Students' Conference on Housing, University of Pretoria, April 1965
- Miners, T. W., "Building Management and the Problems of Communication in an Industrialized Age," S.Afr. Archit. J., Vol. 50, No. 10, October 1965, pp. 19-24
- Miners, T. W., The Role of Research in Promoting Greater Efficiency in Building, Cape-Build Conference, Cape Town, May 1977

Trevor W. Miners (cont)

Miners, T. W., Economics of Housing in South Africa, Presented at Seminar of the Institute for Social and Economic Research, University of Durban-Westville, July 1977

Miners, T. W., The Housing Scene - Present and Future, Home Builders Congress, Johannesburg, September 7-8, 1977

Miners, T. W., The Quality Surveyor - A Cost Estimator or a Cost Manager, Presented at Project Management Seminar, School of Business Leadership, UNISA, Pretoria, October 1977

Miners, T. W., The Economics of Building Maintenance, Paper delivered at a Seminar 'Technological and Cost Problems at the Maintenance of Buildings' presented by the South African Institute of Building Science Practitioners, on Friday, June 1978

Miners, T. W., Client Problems in the Use of Industrialized Building in South Africa, Paper presented at CIB W-65 Second International Symposium on Organization and Management of Construction, October 31 - November 1978, Haifa, Israel

HONORS (including societies)

D.Sc. (Q.S.) Pretoria
Registered Quantity Surveyor (R.Q.S.)
Member - Association of S.A. Quantity Surveyors
(M.A.S.A.Q.S.)
Associate - Royal Institution of Chartered Surveyors
(London) (A.R.I.C.S.)
Council Member - Council for S.A. Quantity Surveyors

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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W-65
BIOGRAPHIC INFORMATION FORM

NAME Morgan, Peter

ADDRESS Department of Civil Engineering
University of Melbourne
Parkville, 3052, Victoria
AUSTRALIA

PROFESSIONAL EXPERIENCE (positions held/when)

1969-Present Lecturer, then Senior Lecturer, University of Melbourne;
Engineering Practices, Construction Management,
Structural Analysis and Design

1966-1968 Lecturer in Civil Engineering, Preston Institute of
Technology, General Engineering plus Structural
Analysis and Design

1958-1959 Civil Engineer; Scott and Furphy, Consulting Engineers,
Water Supply, Sewage, and Road Design

PUBLICATIONS

Fourteen papers published in the field of Structural Analysis and Design, particularly in relating to space frame roof systems

Three papers in the OMC area

Morgan, P., and D. Shaw, "The Reliable Use of Precedence Diagram Lag Factors," General Engineering Transactions, I.E. Aust., Vol GE1, 1977

Virdi, K., and P. Morgan, Simulation of the Construction Company Bidding Environment, Second International Symposium on Organization and Management of Construction, Haifa, November 1978

Morgan, P., and A. McGrath, Management Games and Construction Management Education - An Attempt at Integration, Second International Symposium on Organization and Management of Construction, Haifa, November 1978

Devine, L., P. Morgan, and K. Virdi, "Financial Factors Influencing the Operation of a Construction Company," Civil Engineering Transactions, I.E. Aust., Vol CE22, No 2, 1980

Morgan, P., The Management Game as a Tool in the Continuing Education of Construction Industry Personnel, Conference on Engineering Education, I.E. Aust., Brisbane, September 1980

Peter Morgan (cont)

HONORS (including societies)

MIE. Aust.

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Nunnally, Stephens W.
ADDRESS Department of Civil Engineering
North Carolina State University
Raleigh, NC 27650

PROFESSIONAL EXPERIENCE (positions held/when)

1975 - Present Associate Professor, Department of Civil Engineering,
North Carolina State University
1971 - 1975 Assistant Professor, Department of Civil Engineering,
University of Florida
1969 - 1970 Assistant to District Engineer, Canaveral District U.S.
Army Corps of Engineers
1966 - 1969 Director of Logistics, U.S. Army Engineer Command, Europe
1949 - 1966 Command and Staff Positions in Construction, Research,
Training, and Engineering, U.S. Army Corps of Engineers

PUBLICATIONS

Nunnally, S., Construction Methods and Management, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1980
Nunnally, S., Managing Construction Equipment, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1977
Nunnally, S., Construction Equipment and Procedures, Campus Book Store, University of Florida, Gainesville, FL, 1974
Nunnally, S., Reducing Florida's Housing Cost Through Building Code Reform, Engineering and Industrial Experiment Station, University of Florida, Gainesville, FL, 1973

HONORS (including societies)

Sigma Tau
Tau Beta Pi
American Society of Civil Engineer (Fellow)
American Society for Engineering Education
Society of American Military Engineers
American Road and Transportation Builders Association
American Men and Women of Science

Stephens W. Annually (cont.)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>3</u> | Organizational Forms |
| <u> </u> | Performance Criteria for Organizational Forms |
| <u> </u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>2</u> | Thesaurus Compilation |

BIOGRAPHIC INFORMATION FORM

NAME Orhon, Imre
ADDRESS Yapi Arastirma Kurumu
Mimarlik Fakultesi
Teknik Universite
Istanbul - Turkey

PROFESSIONAL EXPERIENCE (positions held/when)

1971- Assistant Professor at the Faculty of Architecture
1968-1971 Architect at the I.T.U. Construction Department
1967-1968 Research Fellow at the Research Project for
Housing Regulations in Turkey, Directed by
Professor H. Suher

PUBLICATIONS

- Orhon, I., O. Guven, and V. Dincer, Building Production and the Need for Increasing its Effectiveness, printed by mimeo in Turkish, 1972
- Orhon, I., S. Cakin, U. Diner, Economic Decision Making Models, printed by mimeo in Turkish, 1973
- Orhon, I., A Method for Identifying the Problem Points in the Community with the Aim of Increasing the Effectiveness of Building Productions, Istanbul; I.T.U. Faculty of Architecture Pub., 1976 (Dissertation in Turkish), 1976
- Orhon, I., and Y. Sey, Investigation of the School Building Process, Proceedings of CIB Congress, 1974, BUDAPEST, Vol. II, pp. 275-2
- Orhon, I., Organizational and Technical Dimensions in Designing Building Production Systems, Proceedings of the Symposium on Building Production, September 1977, Izmir, Turkey
- Orhon, I., A Method to Identify the Communications Problems in the Organizations, Proceedings of CIB Congress 1977 Edinburgh, vol. 1, pp. 99-103
- Orhon, I., Management: A Tool to Increase the Effectiveness of the Organizations, Proceedings of CIB W-65 Second Symposium on Organization and Management of Construction, 1978
- Orhon, I., Managerial Approaches to the Rationalization of Building Production, Proceedings of First Architectural Science Congress, September 1977, in Ankara, Turkey

1. Orhon (cont)

Orhon, I., A Project Management Approach for Time and Cost Control in Build
Production, Printed in mimeo in Turkish

HONORS (including societies)

July, 1967 Dip. Engineer-Architect (I.T.U.)

March, 1976 Doctor of Engineering (I.T.U.)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>4</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME

Parsson, JAB

ADDRESS

Nordic Ventures Limited
73 Welbeck Street
London W1
GREAT BRITAIN

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|---|
| 1986-Present | Managing Director of Nordic Ventures Ltd. |
| 1976 - 1980 | Director of Action Research, Ltd., Management Consultancy Firm |
| 1971 - 1980 | Senior Research Fellow, Stockholm School of Economics |
| 1967 - 1975 | Research Officer, FA Council |
| 1965 | Research Assistant, Stockholm University |

PUBLICATIONS

Parsson, J., Building Workers' Motivation at Work, 1972

Parsson, J., Workers' Participation and Management, 1974

Parsson, J., Production Planning and Organizational Behavior, 1976

1970-1980, a number of articles on organization management and instruments in the construction industry, management training and strategic planning

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational forms |
| <u> </u> | Performance criteria for organizational forms |
| <u> </u> | Tools for evaluating organizational forms |
| <u>1</u> | Tools for Management of Construction |
| <u> </u> | Thesaurus compilation |

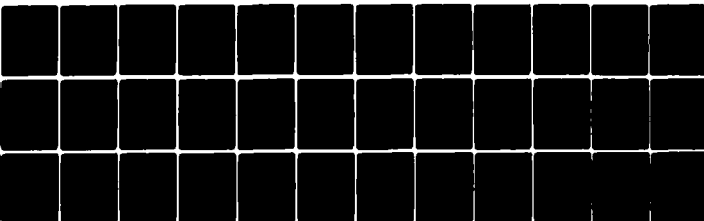
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CONSTRUCTION ENGINEERING RESEARCH LAB (ARMY) CHAMPAIGN IL F/G 5/2
1980 DIRECTORY OF EXPERTS ON ORGANIZATION AND MANAGEMENT OF CON—ETC(U)
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BIOGRAPHIC INFORMATION FORM

NAME Pavlidou, Maria T.
ADDRESS 3, Tsiroyianni Str.,
Thessaloniki, GREECE

PROFESSIONAL EXPERIENCE (positions held/when)

1965-1966 Assistant, Chair of Structural Analysis, University
of Thessaloniki
1967-Present Ministry of Public Works, Staff Engineer, Senior
Engineer, Assistant Administrator of Highway and
Port Construction, District Administrator of
Public Works
1971-Present Research Scientist, University of Thessaloniki,
Engineering School, Chair of Construction
Equipment and Organization
1973-Present Extensive Lecturing in Seminars

PUBLICATIONS

Pavlidou, M. T., Linear Programming - Theory and Practice, Thessaloniki,
1972, pp 370, two editions (in Greek)
Pavlidou, M. T., Introduction to Data Processing, Athens, 1972, pp 70 (in Greek)
Pavlidou, M. T., Time Scheduling in Construction, Thessaloniki, 1973, pp 70
(in Greek)

About 30 articles in scientific journals and Proceedings of Symposia and
International Meetings. Mimeographed notes of lectures and seminars.

HONORS (including societies)

Diploma in Civil Engineering
Master of Science in Greece
Association of Civil Engineers of Greece
Operational Research Society of Greece
Operations Research Society of America
The Institute of Management Science
Data for Development Organization

Maria T. Pavlidou (cont'd)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u> </u> | Tools for Management of Construction |
| <u> </u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Peer, S.
ADDRESS Technion, Israel Institute of Technology,
Faculty of Civil Engineering
Haifa, ISRAEL

PROFESSIONAL EXPERIENCE (positions held/when)

PRESENT Associate Professor, Head Dept of Construction
Management and Economics

PUBLICATIONS

Parameters of Construction Time
Economic Analysis of Housing Construction Methods
CPT - A New Approach to Construction Methods
Effect of Division of Project on Housing Construction Cost
Analysis of Cost-Flow Curves in Construction
Unproductive Time in Building Operations
Video Tape Recording for Site Studies
Optimization of Location of Facilities on the Building Site
Communications Problems in the Building Industry

HONORS (including societies)

Member of Advisory Board - International Association
for Housing Science
Goldstein Prize for Building Research (awarded by
Israel Building Centre)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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_____ Tools for Evaluating Organizational Forms
_____ Tools for Management of Construction
_____ Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Pigott, Pierce T.

ADDRESS An Foras Forbartha
St. Martin's House
Waterloo Road
Dublin 4
IRELAND

PROFESSIONAL EXPERIENCE (positions held/when)

1969 - Present Assistant Senior Research Officer (Management
and Economics) An Foras Forbartha

PUBLICATIONS

1968, Technical Documentation for the Building Industry
1969, Project Planning for Builders - Bar Charts
1971, Operational Estimating for Builder - Networks
1971, Operational Estimating for Builders
1972, Finance for Builders - Cash Flow Planning
1973, A Productivity Study of House Building
1971, Management for the Design Team Editor and Contributor
1974, Budapest paper - Factors Influencing Productivity in House Building
(CIB VI Congress, Budapest)
Pigott, P. Irish Building Specification, 1976

HONORS (including societies)

Chartered Engineer
Member of Institution of Engineers of Ireland
Member of Institution of Civil Engineers
Associate Member of American Society of Civil Engineers

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>4</u> | Organizational Forms |
| <u>2</u> | Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Pilcher, Roy

ADDRESS Department of Building
University of Manchester Institute
of Science & Technology
P.O. Box 88
Manchester M60 1QD
ENGLAND

PROFESSIONAL EXPERIENCE (positions held/when)

1972 - Present Professor of Building, University of Manchester
Institute of Science and Technology

1977 - 1979 Vice-President & Deputy Principal, University of
Manchester Institute of Science and Technology

1970 - 1972 Head of Management Services, Taylor Woodrow Ltd

1962 - 1970 Senior Lecturer in Construction Management, Loughborough
University of Technology

1948 - 1962 Broad Experience in the Management and Design of Civil
Engineering Projects

PUBLICATIONS

Pilcher, R., Principles of Construction Management, McGraw-Hill Book Co., London, 1966, Second Edition, 1976

Pilcher, R., Appraisal and Control of Project Costs, McGraw-Hill Book Co., London, 1973

Pilcher, R., "A Study of the Building Industry Wage Structure," IPC Building & Contract Journals Ltd., London, 1973, etc

HONORS (including societies)

Fellow, Institution of Civil Engineers
Member, Operational Research Society
Fellow, Institute of Building
Member, American Society of Civil Engineers
Member, Institution of Structural Engineers

Roy Pilcher (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>4</u> | Organizational Forms |
| <u>3</u> | Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Plaisance, Paul J., Jr.

ADDRESS Naval Facilities Engineering Command
200 Stovall Street
Alexandria, VA 22332

PROFESSIONAL EXPERIENCE (positions held/when)

1975-Present Chief Construction Engineer, Naval Facilities Energy Command

1973-1975 Program and Construction Manager in TRIDENT Construction Program

1971-1973 Director of Construction Division in Marianas Islands

1965-1971 Resident Engineer in Charge of Military Construction

1959-1965 Junior Engineer, Project Engineer and Resident Engineer in Design and Construction of Public Works

1954-1959 Part-time Construction Worker, Construction Inspector and Surveyor

PUBLICATIONS

Various papers and articles on construction scheduling and construction quality control

HONORS (including societies)

BS in Civil Engineering
MS in Construction Management
Member, American Society of Civil Engineers
Member, National Society of Professional Engineers
Member, Louisiana Engineering Society
Member, Society of American Military Engineers
Member, American Society for Testing and Materials
Member, National Research Council FCC Construction Management Committee
Member, American Arbitration Association Construction Industry Panel
Land Surveyor in Louisiana
Professional Engineer in Texas, Louisiana and Mississippi

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Popescu, Calin Mircea

ADDRESS Professor of Civil Engineering
Department of Civil Engineering
The University of Texas at Austin
E.C.J. 5.2
Austin, TX 78712
Phone: 512-471-1733

PROFESSIONAL EXPERIENCE (positions held/when)

Present: Professor of Civil Engineering, Department of Civil Engineering,
University of Texas, Austin, TX, September 1980

1976-1980 Associate Professor of Construction Science, College of
Environmental Design, University of Oklahoma Norman, OK 73069

Six years teaching experience, Institute of Construction (four
years), University of Texas at Austin (two years)

Continuing Education short courses in Construction Management in
Romania, Texas, Oklahoma, and Venezuela

Manager of the Building Sites (Residential, Civil, Industrial) Four
Years

Head of Technological Group in Charge of Planning, Scheduling,
Design

Deputy Manager of Data Processing Center in Charge of Planning
Implementation, and Design of Computer Systems

PUBLICATIONS

Popescu, C. M. and D. Ing, 12 Network Applications in Construction Industry,
Iliescu, 150 pp, Bucharest, 1972

Popescu, C. M. and J. Borcherdig, How to Use CPM in Practice - Part I, Time,
162 pp, the University of Texas at Austin, 1973

Popescu, C. M., CPTM - Program and User Manual, The University of Texas at
Austin, 1973

Designing Temporary Facilities for Construction Sites, 160 pp, Editura Tech-
nia, Bucharest, October 1976

Calin Mircea Popescu (cont)

Popescu, C. M., How to Use CPM in Practice, Part II, Resources, 200 pp, Austin, TX, the University of Texas, 1976

Popescu, C. M., CMCS - Condensed User Manual, 1977, University of Oklahoma

HONORS (including societies)

American Society of Civil Engineers (member); Cost Control
National Committee Member; Construction Research Council
Member, Construction Equipment and Methods - Committee
Chairman
Project Management Institute (Member)
International Association of Housing Science - Member
Professional Registered Engineer (State of Texas, 1976;
of Oklahoma, 1977)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Prieto, Fernando
ADDRESS Entrecanales y Tavora, S.A.
Juan de Mena 8, Madrid 14
SPAIN

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1978-Present | Comptroller Activities, Spain and South America, Entrecanales |
| 1976-1978 | Comptroller Activities, Spain |
| 1971-1976 | Chief of Scheduling and Cost Controlled Depts., Spain |
| 1965-1971 | Construction Manager, Spain |
| 1961-1965 | Field Engineer |
| 1960-1961 | Structural Design Engineer |

PUBLICATIONS

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Performance Criteria for Organizational Forms |
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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Pszenicki, M.
ADDRESS 50, Netherhall Gardens
London, NW3 5RG
ENGLAND

PROFESSIONAL EXPERIENCE (positions held/when)

1969 - Present Lecturer - The City University, London
1954 - 1968 Deputy Editor - Journal "Investments and Construction"
1952 - 1968 Professor - Technology University, Warsaw
1952 - 1964 Head of Department - Ministry of Construction, Warsaw
1946 - 1952 Deputy Managing Director - A Group of Construction Companies
1944 - 1945 Lieutenant-Polish Army
1939 - 1943 Engineer in Charge of Projects - Construction Company
1935 - 1939 Projects Design Engineer - Consultants Office

PUBLICATIONS

Pszenicki, M., Efficiency of System Building
Pszenicki, M., Standard Output and Prices on Construction
Pszenicki, M., Economic Efficiency of Investments
Pszenicki, M., Construction Plant Costs
Pszenicki, M., Estimating and Pricing of Construction Works

Paper: Sixty fours papers published

HONORS (including societies)

M.I.C.E. G.B.
Eleven medals and distinctions (war and peace time)

M. Pszenicki (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>3</u> | Criteria for Organizational Forms |
| <u>4</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Raj, Mulkh
ADDRESS Housing & Urban Development Corp., Ltd.
12A Jamnagar House
New Delhi 110011, INDIA

PROFESSIONAL EXPERIENCE (positions held/when)

Specializing in Field of Carrying Out Housing Field Surveys, Organizational Studies, Estate Management Department, Developing Information System in Housing Agencies.

Editor of SHELTER - Magazine of HUDCO

Trained in Management Information System Computers and Operational Research at Indian Institute of Management, Bangalori

Various National Research Institutions, Planning Commission and Government Departments

Examine and Visiting Faculty Member for Research and Training Institutes

PUBLICATIONS

Many Publications in the Field of Housing, Urban Development, Organizational Concepts, Information Systems, Inc.

HONORS (including societies)

Certificate in Social Research for Development from Centre for Urban Studies - University College, London

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

____ Organizational Forms
____ Criteria for Organizational Forms
____ Tools for Evaluating Organizational Forms
____ Tools for Management of Construction
____ Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Rau, A. Nagabhushana

ADDRESS The Hindustan Construction Co. Ltd.
"Construction House"
Walchand Hirachand Marg
Ballard Estate
Bombay 400 038
INDIA

PROFESSIONAL EXPERIENCE (positions held/when)

1978 - Present General Manager, Hindeda Construction Co. Ltd.

1978 (May) Joint General Manager

1976 - 1978 Dy. General Manager (All India Operations)

1963 - 1976 Dy. General Manager

1961 - 1963 Assistant General Manager

1944 - 1961 Engineer, Engineer-in-Charge and Project Manager -
on various project works of the Company

PUBLICATIONS

Published about 45 articles both in National and International Magazines,
on -
Construction Management
Construction Plant - Equipment & Plant Layout
Man Management Problems in Construction Industry
Execution of Projects

Have written for UNIDO -
Construction Industry on India (Country Study)
Construction Industry in India - Present Situation and Trends
Industrial Construction in Developing Countries - Based on Indian Experience

HONORS (including societies)

Members of various Committees Appointed by the Government
of India, viz.
High Power Committee to review Cost Control on River
Valley Projects

A. Nagabhushana Rau (cont)

Committee of Technical Officers to examine in detail and recommend measures to improve contract documents provisions of infrastructure facilities etc., so as to promote economy on projects cost and expedite construction of irrigation and multi-purpose projects
Committee to examine the cost of construction and maintenance of roads by Border Roads Organization
Invited by TIMS ZZIII - ATHENS - July 77
On the Roster of Asian Development Bank as Individual Consultant
On the Roster of UNDP as Individual Consultant
Delegate to overseas Conferences on behalf of national Committee on Large Dams - Madrid 1973, Mexico 1976, Salzburg 1978, New Delhi 1979

UNIDO Assignments

1973 - Vienna "Expert Group Meeting - Construction Industry in Developing Countries"
1974 - Vienna "Expert - Industrial Construction in Developing Countries"
1975-1976 - "Consultant" - World Bank/UNIDO Mission to Swaziland, Africa - on 'Domestic Construction Industry Development'
1980 - 'Chief Expert' (Honorary) - Asian productivity Organization Tokyo - on Survey of Transfer and adoption of Technology in construction Industry - being undertaken 1980-1982

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Reese, Edward F., Jr.

ADDRESS 8912 North 80th Place
Scottsdale, AZ 85258
USA

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1978-Present | Senior Project Manager and Owner's Representative for new Hotel Casino Project, Ramada Inns, Inc., Phoenix, Arizona, USA |
| 1976-1978 | Construction Manager for Convention and Recreation Center, Project Coordination Division, J. D. Diffenbaugh, Inc., Riverside, California, USA |
| 1973-1976 | Regional Manager for Various Project Management Public Works Projects, Project Management Division, McKee-Berger-Mansueto, Washington, DC, USA |
| 1972-1973 | Project Manager for New Full Services Fairfax County Hospital, Project Management Division, McKee-Berger-Mansueto, Inc., Washington, DC, USA |
| 1971-1972 | Assistant Project Manager for Planning and Scheduling for complete new Boston Campus of University of Massachusetts, McKee-Berger-Mansueto, Inc., Boston, Massachusetts, USA |
| 1967-1971 | Head of Planning and Scheduling, New York Office of McKee-Berger-Mansueto, Inc., New York, New York, USA |
| 1966-1967 | Self-employed |

PUBLICATIONS

Management Reorganization of Puerto Rican Public Buildings Authority, International Management Systems Association, September, 1974

Organization of San Francisco Unified School District Design/Construction Department, International Management Systems Association, September, 1976

United States Postal Service Cost Estimating Manual, Chapter 12 - "Planning and Scheduling of New Priority Mail Facilities "

Listed in 1978 Directory of Experts on Organization and Management of Construction as prepared by International Council for Building Research Studies Documentation (CIB) Working Commission W-65

Edward F. Reese, Jr. (cont)

HONORS (including societies)

American Society of Civil Engineers, Member Construction Division's
Subcommittee on Professional Construction Management

American Association of Cost Engineers, member
Project Management Institute, member

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>3</u> | Organizational Forms |
| <u>4</u> | Criteria for Organizational Forms |
| <u>5</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>2</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Rumble, J. D.
ADDRESS Department of Civil Engineering
University of Florida
Gainesville, FL 32611

PROFESSIONAL EXPERIENCE (positions held/when)

1975-Present Associate Professor, Department of Civil Engineering
University of Florida
1972-1975 Officer in Charge of Construction, U.S. Navy Contracts,
Spain
1969-1972 Director, Base Master Development Planning and Facilities
Planning, U.S. Navy
1966-1969 Staff Civil Engineer, Joint Staff, U.S. Department of
Defense
1964-1966 Commanding Officer, Naval Construction Battalion, US Navy
1961-1964 Various Assignments in Charge of Planning, Design,
Construction, Authorization, and Maintenance of Public Works
and Facilities

PUBLICATIONS

Demands and Goals in Construction Engineering Education, Proceedings of the
CIB W-65 2nd International Symposium on Organization and Management of
Construction, Haifa, Israel, October 31-November 2, 1978

HONORS (including societies)

Tau Beta Pi Epsilon

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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_____ Performance Criteria for Organizational Forms
_____ Tools for Evaluating Organizational Forms
_____ Tools for Management of Construction
_____ Thesaurus Compilation

W-65
BIOGRAPHIC INFORMATION FORM

NAME Schaefer, Gyorgy

ADDRESS Institute for Building Economics and Organization EGSZI
H-1027 Budapest, Csalogan u. 9.
HUNGARY

PROFESSIONAL EXPERIENCE (positions held/when)

1965-Present Technical Director

1949-1968 Ministry of Building
Production of Chief Engineer
Deputy Head of Division of
Technical Development

PUBLICATIONS

Schaefer, G., The Method of Organizing Production Processes in the Building Industry, ECE HPB/BUILD/SME.3/D.3

Schaefer, G., The Peculiarities of the Division of Labour in the Building Industry, Published by a Conference of the Hungarian Scientific Society for Building, 1972

Schaefer, G., Some Problems of General Contracting in Hungary, Published by the Poznan Conference of the Polish Association of Architects and Engineers, 1972

Schaefer, G., Reflections on the Experimental Forecasting of Building Research, CIB Congress 1974 Budapest

Schaefer, G., General Contracting Experiments in Joint Projects Magyar Epi-toipar, 1976

Schaefer, G., Problems of Economics Organization in Town Building Varisepites, 1977

HONORS (including societies)

Order of Labour Government
Alpar Ignac Medal Scientific Association for Construction

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>3</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Schmitz, Gunter

ADDRESS Department of Architecture
School of Architecture and Environmental Design
State University of New York at Buffalo
Buffalo, New York 14214

PROFESSIONAL EXPERIENCE (positions held/when)

1970 - Present Director of Programs in Architecture in Texas A & M University, and SUNY Buffalo

1979 - 1980 Guest courses in Industrialization in Building, Mexico and Brazil

1961 - Present Full time university teaching since 1961 in Germany and USA

1964 - 1974 Research Architect in Hochschule fur Gestaltung, Ulm, Germany; Texas A & M University; and SUNY Buffalo

Study trips related to building technology in North-, South-, and Central America, Western-, and Eastern Europe

PUBLICATIONS

Articles in professional journals, e.g., "Informations sur les Systemes de Construction: le Systeme de Construction de l'Universite de Marburg," IF-Industrialisation Forum, Montreal, Vol. 9 (1978), No. 2-3, pp. 65-80.

HONORS (including societies)

1975 First Award, Research Category, Progressive Architecture Annual Awards Program

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u> </u> | Performance Criteria for Organizational Forms |
| <u> </u> | Tools for Evaluating Organizational Forms |
| <u> </u> | Tools for Management of Construction |
| <u> </u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Sey, Yildiz
ADDRESS Teknik Univresite
Mimarlik Fakultesi
ISTANBUL - TURKEY

PROFESSIONAL EXPERIENCE (positions held/when)

1979-Present Present Professor, Faculty of Architecture,
Istanbul Technical University
1972-1979 Associate Professor, Faculty of Architecture,
Istanbul Technical University
1962-1972 Assistant Professor, Faculty of Architecture,
Istanbul Technical University

PUBLICATIONS

Village of Vakfli, I.T.U. Mimarlik Fak Y.A.K. Seri. C

Systems Approach to the Analysis of Building Production mimeo. (Habilitation-
schrift in Turkish) Istanbul, 1971

Content of Rural Housing Problem in Turkey: A Discussion On The Problems of
Strategy and Method Fo Determination of Alternatives. Paper given to the
seminar held by Ministry of Rural Affairs in Ankara, mimeo, (in Turkish),
1972

The Investigation of School Building Process in Turkey, together with I.Orhon,
paper given to 6th CIB Congress, Budapest, 1974

New Approachs to the Problems of Building Industry, paper Given To The Confer-
ence held by I.T.U. Mim.Fak. Y.A.K. Mimeo (in Turkish), 1972

Basic Problems of Evaluation and Evaluation in Architectures (together with
Dr. M. Tapan), Istanbul: I.T.U. Mim.Fak. Seri C. Araastirmalar, 1976/Sayi.11
(in Turkish, summary in English)

Problems of the Evaluation of Architectural Competitions (together with Dr. M.
Tapan) Mimarlik 2, (in Turkish) 1976

Concepts and Fields of Research in Architecture, paper given to the Seminar of
"Post-Graduate Education in Architecture: Theory Research and Practice"
held by O.D.T.U. in Ankara 1977 (in Turkish)

Yildiz Sey (cont'd)

Notes and Observations On The Disaster Housing in Turkey, YAK Bulletin 4, (in Turkish with an English summary), 1976

Hierarchy of the Goal System of the Post-Disaster Temporary Shelters, (together with Dr. M. Tapan), paper given to the "International Seminar On Disaster Area Housing" held in Istanbul (in English), 1977

Technological Alternatives of Post-Disaster Temporary Shelters and Basic Principles of Their Evaluation (together with N.Aral), paper given to the International Seminar On Disaster Area Housing Held in Istanbul (in English), 1977

Core Housing Problems With Reference To Examples from Turkey, paper given to the 7th CIB Congress in Edinburgh (in Turkish), 1977

Technology Assessment In Design: Architectural Management, paper given to the "Architectural Design Conference", 15-17 May 1978, Istanbul

Management of Housing Planning and Production in Disaster Areas of Turkey, paper given to the 2th International Congress on Construction Management and Organization, Haifa, 1978

Post-Disaster Shelter Problems and Turkey, Book in Print, 1980 - Istanbul

HONORS (including societies)

Member of Turkish Chamber of Architects
Member of ITU Building Research Institution (I.T.U.Y.A.K.)
Member of Earthquake Engineering, Turkish national Committee

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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|----------|---|
| <u>1</u> | Organizational Forms |
| <u>3</u> | Performance Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>4</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Shaffer, Louis Richard

ADDRESS U S Army Construction Engineering Research Laboratory (CERL)
P.O. Box 4005
Champaign, IL 61820

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1976-Present | Technical Director of CERL |
| 1969-1976 | Deputy Director CERL |
| 1954-1969 | Faculty University of Illinois at Urbana |
| 1952-1954 | Assistant to Dir/Engineering, Sharon Steel Corp |
| 1950-1952 | Assistant to Master Mechanic, National Castings Corp |

PUBLICATIONS

Numerous technical papers in operation research and computer--based systems applied to construction management in all levels of the industry.

Shaffer, L. R., L. Meyer, and J. B. Ritter, The Critical Path Method, McGraw-Hill Book Co., Inc., New York City, NY, 1965

Shaffer, L. R., Introduction to Linear Programming, Stipes Publishing Co., Champaign, IL, 1963

HONORS (including societies)

Walter L. Huber Research Prize, American Society of Civil Engineers
Meritorious Civilian Service (70-73 and 73-76)
Official Commendation
Construction Management Award, 1978
Commanders Award for Civil Service

Louis Richard Shaffer (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
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| <u>4</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Sorguc, V. Dogan

ADDRESS Technical University of Istanbul (I.T.U.)
Insaat Fakultesi (Taskisla)
TURKEY

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1979-Present | Prof. of Construction Management, Technical University of Istanbul (I.T.U.) |
| 1976-1979 | Assoc. Prof. of Construction Management, I.T.U. |
| 1967-1976 | Head of the Option of Construction Strategy, in C.E. Dept of the Middle East Technical University (M.E.T.U.), Ankara |
| 1973-1976 | Associate Professor of Construction Management in C.E. Dept of M.E.T.U. |
| 1967-1973 | Assistant Professor of Construction Management in C.E. Dept of M.E.T.U. |
| 1964-1967 | Research and Ph.D. at the Institute of Construction Management, Technical University of Munich (T.U.M.) |
| 1962-1964 | Instructor of Construction Management in C.E. Dept of M.E.T.U. |
| 1960-1962 | Military Engineer in Army Corps of Engineers |
| 1958-1960 | Research Asst. at the Institute of Construction Management, T.U.M. |

PUBLICATIONS

In English (E), in German (G), and in Turkish (T)

Sorguc, V. D., "Principles of Modern Education in Civil Engineering," (T)
Proceeding of the 7th T.A.C.E. Technical Congress, Ankara, October 1978 (p. 45-71)

Sorguc, V. D., Construction Elements, (G) Paul Rau Buchhandlung, Munchen, 1959

Sorguc, V. D., Foundation Works - Theory and Application - (G) Paul Rau Buchhandlung, Munchen, 1959

V. Dogan Sorguc (cont)

Burkhardt, G., V. D. Sorguc, "The Dartford-Purileet Tunnel," (G) Baumaschine und Bautechnik, August 1960 (p. 333-334)

Sorguc, V. D., Laws, Contracts and Specifications in Turkish Construction, (E) M.E.T.U., C.E. Society Publ. No. 7, 1962 (2nd, ed. 1970)

Sorguc, V. D., Questionnaire for Turkish Construction Industry (T) M.E.T.U., C.E. Dept., 1962

Sorguc, V. D., "An Analysis of the Turkish Building Industry," (T) Turkish Engineering News Record (Turkish Association of Civil Engineers T.A.C.E.) Nr. 106 January 1964 (p. 12-13)

Sorguc, V. D., "Modern Contractor and the Cost Functions," (T) Turkish Engineering News Record (T.A.C.E.) Nr. 112, 113 July and August 1964 (p. 45-46 and 42-48)

Sorguc, V. D., Structure and Model of a Housing Programme for Developing Countries - through Turkish Example (G) - (Ph.D. Thesis), Institut fur Baubetriebswissenschaft 2 Volumes, Technische Universitaet Munchen, February 1967

Sorguc, V. D., "Structure and Model of a Housing Programme for Developing Countries," (G) Baupraxis, July 1967 (p. 21-26)

Sorguc, V. D., D. Ardit, T. Aksoy, "Feasibility of Prefabrication in Low Cost Housing," Proceedings of the International Symposium on Low Cost Housing Problems, University of Missouri-Rolla, October 1970 (p. 50-53)

Sorguc, V. D., "Turkish Conditions, the Middle East Technical University and other Universities of the Country," (T) Turkish Engineering News Record (T.A.C.E.) Nr. 181, April 1970, (p. 34-39)

Sorguc, V. D. and Y. Cogus, "Functional Analysis of Universities and a Reform Proposal for Turkey," (T) Turkish Engineering News Record (T.A.C.E.) Nr. 201, December 1971, (p. 23-31)

Sorguc, V. D. and I. Toner, "Turkish Highways and the Organizational Analysis of the Turkish Highways Department," (T) Turkish Engineering News Record (T.A.C.E.) Nr. 194, May 1971 (p. 24-27)

Sorguc, V. D., "Macroplanning in the Housing Strategy," (T) Technical Bulletin of T.A.C.E. Nr. 6 June 1971 (p. 1-30)

Sorguc, V. D., Monograph of Prefabrication in Turkey, (E) Seminar on Prefabrication in Africa and the Middle East, United Nations Industrial Development Organization (UNIDO-ID/WG 122/18) Budapest, Bucharest, March 1972

Sorguc, V. D., Construction Planning-Methods Analysis and Application (E) M.E.T.U. 1972

V. Dogan Sorguc (cont)

- Sorguc, V. D., I. Toner and E. Sener, "Evaluation of Highway Networks," (E) Proceedings of the NATO Conference "The Application of Operational Research to Transport Problems" Sandefjord, August 1972, Western Periodicals Company, 13000 Raymer Street, North Hollywood, CA 92605 (p. 432-441)
- Sorguc, V. D., Analysis of the Employment Potentiality of the Turkish Construction Sector and the Design of an Optimum Techno-Economical Strategy, (T) Turkish Technical and Scientific Council (MAG-0E3), April 1972
- Sorguc, V. D. and E. Sener, "Maintenance Expenditure Model in the Strategy of Housing Construction," (E) Proceedings of the Fourth INTERNET Congress, International Management System Association (I.M.S.A.), Paris September 1974 (Vol. 2, p. 43-53)
- Sorguc, V. D. and T. Gunsoy, "The Application of Network Planning to Finishing Works of Public Building Construction in Turkey" (E) Proceedings of the Fourth INTERNET Congress (I.M.S.A.) Paris, September 1974 (Vol. 1, p. 3009-317)
- Sorguc, V. D. and Y. Gogus, "Proposal of a Model for Management in Systems with Research and Education Functions," (E) Proceedings of the International Conference on Management of Research and Education. Wrocklow, September 1975 (Vol. 1, p. 93-103)
- Sorguc, V. D. and E. Sener, "The Relation between Socio-Economic Development and Transportation in Turkey," Proceedings of the NATO Conference on Transportation Planning for a Better Environment. NATO Conference Series, Plenum Press, New York, London, 1976 (p. 93-101)
- Sorguc, V. D. and H. Ozer, "Companies and Contractors of the Turkish Construction Sector," (T) Turkish Engineering News Record (T.A.C.E.) June 1976 Nr. 215 (p. 10-22)
- Sorguc, V. D. and T. Aksoy, "The Application of Network Planning to Airfield Construction Project," (E) Proceedings of the Fifth INTERNET Congress (I.M.S.A.) Birmingham, September 14, 1976 (p. 63-71)
- Sorguc, V. D., "Network Planning vs. Traditional Methods of Project Management in Construction," (E) Proceedings of the Fifth INTERNET Congress (I.M.S.A.) Birmingham, September 14, 1976 (p. 179-181)
- Sorguc, V. D., "Project Management in Civil Engineering Works," (T) Turkish Engineering News Record (T.A.C.E.) Nr. 270-271 September-August 1977 (p. 24-28)
- Sorguc, V. D., "Socio-Economical Aspects of Technology Selection," (T) Proceedings of the T.A.C.E. Symposium on Construction Technology Izmir, October 1977 (p. 11/1-13)

V. Dogan Sorguc (cont)

Sorguc, V. D., "Visibility and Finance of Construction Projects in Turkey," (E) Proceedings of IABSE Symposium on Problems Associated with Design and Construction in Developing Countries, Final Report Munich, 1977 (p. 59-63)

Sorguc, V. D. and M. Baykal, "Assessment of Energy Expenditure in Construction," (E) Proceedings of I.L.O. International Symposium on New Trends in the Optimisation of Working Environment, Istanbul May 1978 (p. 278-287)

Sorguc, V. D. and H. Yalvac, "Evaluation of Turkish Hydraulic Works Organization," Proceedings of C.I.B.-W. 65 2nd. International Symposium on Organization and Management in Construction Technion, Haifa October 1978 (Vol. 1, p. 165-183)

Sorguc, V. D., "Development of Construction Education Programme in Turkey," Proceedings of C.I.B. W. 65 2nd. International Symposium on Organization and Management in Construction, Technion, Haifa, October 1978 (Vol. 5, p. 219-231)

Sorguc, V. D., "Principles of Modern Education in Civil Engineering," (T) Proceedings of the 7th, T.A.C.E. Technical Congress, Ankara, October 1978 (p. 45-71)

Sorguc, V. D., Tools for Management of Construction (T) Technical University of Istanbul (I.T.U.) Faculty of C.E. 1979

Sorguc, V. D. and A. Kocacimen, "Experiences Introduction Network Planning Techniques in Construction Works of a Large Public Enterprise in Turkey," (E) Proceedings of the 6th. INTERNET Congress (I.M.S.A.) Garmisch-Partenkirchen, September 1979 (Stream I)

Sorguc, V. D., "Administrative Frame and Problems of Mass Housing Construction in Turkey with Examples," Proceedings of T.A.C.E. Symposium on Mass Housing Construction Technology Izmir, December 1979 (in print)

Sorguc, V. D., "Construction and Employment," Proceedings of the 7th Congress of Turkish Scientific and Technical Research Council Izmir, September 1977 (in print)

HONORS (including societies)

Member of T.A.C.E.

Member of Building Research Society (I.T.U.)

V. Dogan Sorguc (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>1</u> | Performance Criteria for Organizational Forms |
| <u>1</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>3</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Tippet, H.

ADDRESS School of Architecture
Victoria University of Wellington
Private Bag,
Wellington, NEW ZEALAND

PROFESSIONAL EXPERIENCE (positions held/when)

1979-Present Professor of Architecture, Victoria University of
of Wellington, New Zealand

1969-1978 Practice Management Consultant, Tippet Wuade Associates,
Melbourne, Australia Concurrent with Senior Lectureship
(Practice & Management) - Department of Architecture
& Building University of Melbourne

1965-1968 Project Architect, Design Construction Group, Beirut
Lebanon, Abu Dhabi & Kuwait

1958-1964 Darwin & Alice Springs, Northern Territory and Sydney,
Australia, own practice

1957- Country Roads Board, Victoria, Australia

1954-1956 Architect, Grounds, Romberg & Boyd, Melbourne, Australia

PUBLICATIONS

Tippet, H., Visual Communication in Architecture, C.E. Moorehouse,
Editor

Tippet, H., Visual Education (Pitmans Australia), 1974

Tippet, H., Building Projects Investigation, MU Faculty Arch Bldg &
Plg publication, 1977

Basic Finance - Business Decisions in Architectural Practice (MU Dept Arch &
Bldg) 1975, 1978

HONORS (including societies)

Bachelor of Architecture, 1955 (Melbourne)
MBA, 1957 (Melbourne)
Fellow, Royal Australian Institute of Architects
Fellow, Australian Institute of Building
Member, Royal Institute of British Architects
Associate, Australian Institute of Management
Member, Project Mgt Institute

H. Tippet (cont)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Organizational Forms |
| _____ | Performance Criteria for Organizational Forms |
| _____ | Tools for Evaluating Organizational Forms |
| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Torrance, V. B.
ADDRESS J. B. Torrance & Son
 Bldg. Contractors
 Shalls, Lavonshire, Scotland

PROFESSIONAL EXPERIENCE (positions held/when)

1972-Present William Watson Professor and Head of Department
 of Building, Heriot-Watt University,
 Edinburgh, Scotland, UK

1969-1972 Associate Professor and Head of Department
 of Building and Estate Management, Faculty
 of Architecture and Building, The University
 of Singapore

1966-1969 Senior Lecturer and Head of Building
 Division, School of Architecture and
 Building of Singapore Polytechnic

1969 Ph.D. Degree of the University of Edinburgh, for
 Research into Wind Effects on Buildings

1964 M.Sc. Degree by Research of Heriot-Watt University,
 for Windtunnel Research

1962 B.Sc.(Hons.) in Building of Heriot-Watt University, Edinburgh

PUBLICATIONS

HONORS (including societies)

Science Research Council: Member of Civil Engineering & Transport
Committee, Building Sub-Committee and Energy Working Group (1976-1979)

Institute of Building: Chairman of Scottish Branch 1975 and of
East of Scotland Centre (1976 and 1977)

Founder Member of Singapore Professional Centre (under auspices
of the Commonwealth Foundation)(1970)

Consultant to Asian Regional Institute for School of Building
Research, Colombo, Sri Lanka (1970)

Founder Member and Honorary Secretary, The Institute of Building
Singapore and Malaysia Centre (1968)

Member of National Council of Chartered Institute of Building
(Various external examinations) (1974-1979)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Criteria for Organizational Forms |
| _____ | Tools for Evaluating Organizational Forms |
| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Vigil, Manuel
ADDRESS Entrecanales y Tavora, S.A.
Juan de Mena 8, Madrid 14,
SPAIN

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|--|
| 1978-Present | Counselor, Developing Construction Management Systems for Entrecanales y Tavora, Spain |
| 1973-1978 | Organization and Management Counselor for E y T, Spain |
| 1969-1973 | Deep Foundations Construction Company, Director, Spain |
| 1967-1969 | Consulting Engineer, Cooling Warehouses, Spain |
| 1963-1967 | Chemical Industry, Project Manager, Spain |
| 1961-1963 | Partner, Steel Structure Construction Company, Puerto Rico |
| 1958-1961 | General Contractor, own Company, Cuba |

PUBLICATIONS

HONORS (including societies)

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME White, Joseph C.

ADDRESS President, Syncon Corporation
1717 South 12th Street
Milwaukee, WI 53204

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|---|
| 1974-Present | Adjunct Professor |
| 1968-Present | President, Syncon Corporation |
| 1964-1967 | Vice-President, Product Development, Inland Steel Corporation |
| 1955-1964 | Factory Management, Inland Steel Corporation |
| 1950-1955 | Industrial Engineer, Inland Steel Corporation |

PUBLICATIONS

Proceedings of the CIB W-65 Symposium on Organization and Management of Construction, October 31 - November 2, 1978, Haifa, Israel, An Approach to Process Analysis as a Procurement Selection Method for Building Owners

Industrial Forum, Volume 7, Number 6, "The Cudahy Dental Building - A Syncon Project," 1976

The Construction Specifier Cover Article, "The Great Construction Game," September 1976

Proceedings of the CIB W-65 Symposium on Organization and Management of Construction, May 19-20, 1976, U.S. National Academy of Sciences, Washington, DC, Using an Integrated Set of Building Subsystems for Managerial Control on a Regional Shopping Center Project

Industrialization Forum, Volume 5, Number 1-2, "Improved Building Procurement Means a Changed Building Process," 1974

LCN Newsletter (Canada), The Management Process and How it Relates to Systems Building, July 1978

Industrialization Forum, Volume 1, Number 3, "The Systems Approach -- Steps in Generating a System," April 1970

Joseph C. White (cont)

HONORS (including societies)

TAU BETA PI
Award of Merit, Building Research Institute

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>1</u> | Organizational Forms |
| <u>4</u> | Performance Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>3</u> | Tools for Management of Construction |
| <u> </u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Whitehead, Bertram

ADDRESS Department of Building Engineering,
University of Liverpool, Muspratt Laboratory
P.O. Box 147
Liverpool L69 3BX
ENGLAND

PROFESSIONAL EXPERIENCE (position held/when)

1950 - Present Lecturer, then Senior Lecturer, Department of Building Engineering, University of Liverpool

1955 - 1959 Management Consultant in Method Study

1950 - 1955 Works Management in Manufacturing Industry

PUBLICATIONS

Papers on logical layout of interiors of buildings using computer and movement data

Papers on productivity on bricklaying

HONORS (including societies)

Fellow of Institute of Management Services
Member British Institute of Management

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>2</u> | Organizational Forms |
| <u>2</u> | Criteria for Organizational Forms |
| <u>2</u> | Tools for Evaluating Organizational Forms |
| <u>1</u> | Tools for Management of Construction |
| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Woodhead, Ronald W.
ADDRESS School of Civil Engineering
University of New South Wales
P.O. Box 1
Kensington, N.S.W. 2033
AUSTRALIA

PROFESSIONAL EXPERIENCE (positions held/when)

1973 - Present Professor & Head, Dept of Engineering Construction & Management, University of New South Wales

1977 Visiting Professor, Georgia Institute of Technology, Atlanta, Georgia

1971 UNIDO Consultant to CIA, Bahia State, Brazil, on Management and Implementation of Port Construction

1969 UNESCO Consultant on Systems Analysis to Rio Grande De Sul University, Porto Alegre, Brazil

1968 - 1973 Professor of Civil Engineering, University of Illinois

1967 Visiting Professor, Texas A&M University - 5 months

1966 Visiting Professor, University of Illinois - 5 months

1953 - 1968 Lecturer/Senior Lecturer, University of New South Wales

1952 - 1953 Designing Engineer, Gutteridge Haskins & Davey, Sydney

1951 - 1952 Designing Engineer, Conservation & Irrigation Commission of N.S.W. Sydney

PUBLICATIONS

Hall, A. S., and R. W. Woodhead, Frame Analysis, John Wiley & Sons, New York, 1961; Japanese ed., 1966, 2nd ed. 1967

Antill, J. N., and R. W. Woodhead, Critical Plan Methods in Construction Practice, John Wiley & Sons, New York, 1965; Spanish ed., 1968; French ed., 1968; Portuguese ed., 1968; 2nd ed., 1970

Meredith, D. D., L. W. Wong, R. W. Woodhead, and R. H. Wortman, Design and Planning of Engineering Systems, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1972

Ronald W. Woodhead (cont)

Halpin, D. W., and R. W. Woodhead, CONSTRUCTO - A Heuristic Game for Construction Managers, University of Illinois Press, U.S., 1973

Halpin, D. W., and R. W. Woodhead, Design of Construction and Process Operations, John Wiley & Sons, New York, 1976

Halpin, D. W., and R. W. Woodhead, Construction Management: A Systems Approach, John Wiley, Inc., In Press 1979

HONORS (including societies)

Chartered Engineer FIE Aust
Chartered Builder FAIB
MASCE
MAIC
MPMI
MACI
M.I.Q.
President P.M.F.

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| <u>5</u> | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Yadav, Hari Krishan

ADDRESS Manager (Project Appraisal)
Housing & Urban Development Corporation, Ltd.
12-A Jamnagar House
New Delhi-110011, INDIA

PROFESSIONAL EXPERIENCE (positions held/when)

Obtained National Diploma in Architecture & Regional Planning
in 1958

Completed Course on "Urban Management, Urban Development Operations, Urban Policy Integration & Implementation" in the PCL, London, under Colombo Plan

Also attended short-term courses/programmes on net-work technique/Performance Budgeting, Execution Development Programme on Project Evaluation & Managerial Effectiveness through Behavioral Science Applications, conducted by various Institutes

Has extensive experience (over 20 years) in the field of Architecture, Town Planning, Design and Execution of Housing, Urban Development, Scientific and Institutional buildings, while working as Architect in Delhi Development Authority and Council of Scientific and Industrial Research

During 4 years stay in Delhi Development Authority, designed and supervised a large number of housing complexes for various categories of income groups in Delhi

In his present assignment, he is especially involved in appraisal, evaluation and implementation of housing and urban development projects with special emphasis on economical layouts, building designs and on cost reduction through the application of various new construction material/design and construction techniques.

PUBLICATIONS

Works and write-ups/articles on the following topics published in National Journals:

Low Cost Housing
Rural Housing
Economy in Housing Projects
Housing for Flood Affected People

Hari Krishan Yadav (cont'd)

Paper presented in course on "New Skills & Perspective for Urban Managers"
under Colombo Plan held in London in March 1979 - Sites and Services Programme: A Solution to India's Massive Housing Problem

HONORS (including societies)

A member of Institute of Architects, Council of Architecture,
and Institute of Town Planners

Faculty Member - School of Planning and Architecture

Visiting lecturers to Post Graduate studies in Urban Design and
Women Polytechnic

Besides is a member of several other committees of the Indian
Standard Institution and Architectural Institutions

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Tools for Management of Construction |
| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Yaron, I.

ADDRESS Ein Vered
Tel-Mond
ISRAEL

PROFESSIONAL EXPERIENCE (positions held/when)

| | |
|--------------|---|
| 1978-Present | Consultant to Project Managers and a Manager of big building projects |
| 1972-1978 | Chief, Building Division in Yuval Gad |
| 1965-1972 | Thahal, Consultant Engineer, Planning Engineer |

PUBLICATIONS

HONORS (including societies)

BSC, Israel Institute of Thee in Haifa

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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| _____ | Thesaurus Compilation |

W-65
BIOGRAPHIC INFORMATION FORM

NAME Zebrowski, Leon

ADDRESS Instytut Organizacji
Zarządzania i Ekonomiki
Przemysłu Budowlanego
00-950 Warszawa, ul. Filtrowa 1
POLAND

PROFESSIONAL EXPERIENCE (position held/when)

Present Deputy Director for a Research Work of Organization and
Management at the Institute for Organization Management
and Economics of the Building Industry

PUBLICATIONS

HONORS (including societies)

Scientific Society for Organization and Management

Polish Association of Building Engineers and Technicians

Committee for Civil Engineering Polish Academy of C Science

Scientific Society for Organization and Management

Polish Association of Building Engineers and Technicians

Committee for Civil Engineering Polish Academy of C Science

PRIORITY RANKING OF INTEREST IN W-65 CHARTER (1 = highest priority)

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